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**Pocket Price List**  
of  
**PLUMBING FIXTURES**



**HAINES, JONES & CADBURY Co.**

MAKERS OF PLUMBING SUPPLIES

1130-1144 RIDGE AVENUE PHILADELPHIA

BRANCHES - BATHURST AND SAN FRANCISCO

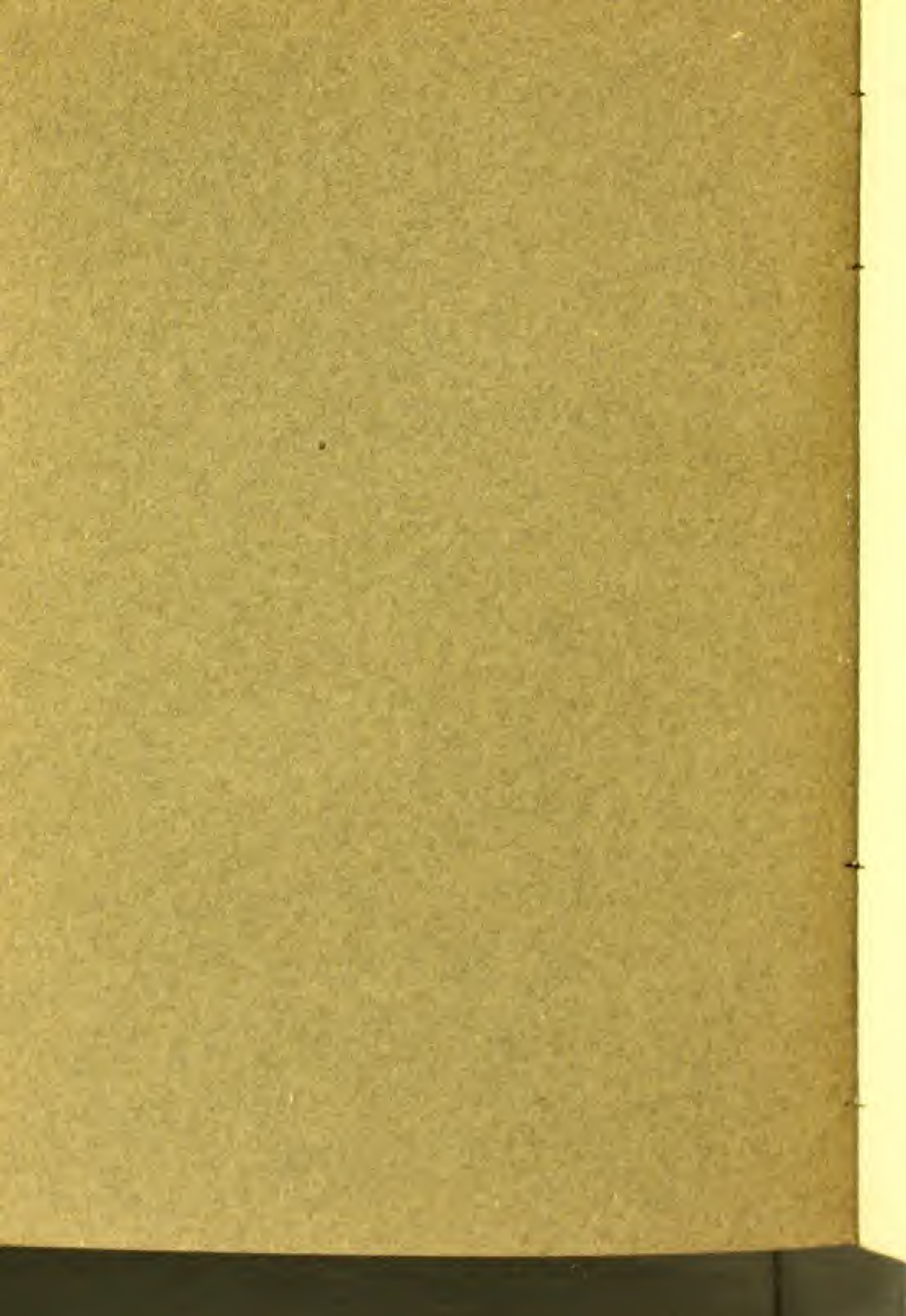


















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HAINES, JONES



& CADBURY Co.

**T**HIS handy Pocket Price List has been prepared to call attention to the many new and improved fixtures which we have recently placed on the market, together with a number of the most popular goods of our regular lines on which it has been found desirable to revise and correct prices.

¶ The Price List is in no sense a successor to our Catalog "M," but is issued pending the preparation of a new general catalog, which, on account of its large size and scope cannot be completed for some months.

¶ It will be noted that we have not included anything beyond a general line of fixtures. We are, however, prepared to furnish the most modern appliances for the special requirements of hospitals, institutions, schools and colleges, prisons, factories, hotels, office buildings, etc.

¶ Inquiries for information on any of these lines will receive our most careful attention.

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1130-1144 RIDGE AVENUE PHILADELPHIA

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**D**ESCRIPTIONS and prices in this Price List supersede those of similar fixtures in catalog M and earlier catalogs. List prices, descriptions and illustrations are subject to change without notice.

☞ All orders are accepted subject to strikes, fires, accidents and causes beyond our control.

☞ We guarantee material sold, but only to the extent of supplying perfect goods for any found defective, and will not allow any claims for labor or consequential damages. The measure of damage shall be the price of any defective piece, such defective piece to be returned before credit will be given.

☞ Boxing will be charged at cost, unless otherwise quoted.

☞ When goods have been shipped to a customer and have been receipted for by the Transportation Company in good condition, the shipment immediately becomes the property of the consignee and our responsibility ends.

☞ Always refer to plate number when ordering and mention Pocket Price List.

☞ Roughing-in measurements will be furnished on request.

☞ Errors will be cheerfully corrected when called to our attention.

*Mayoca good are right*



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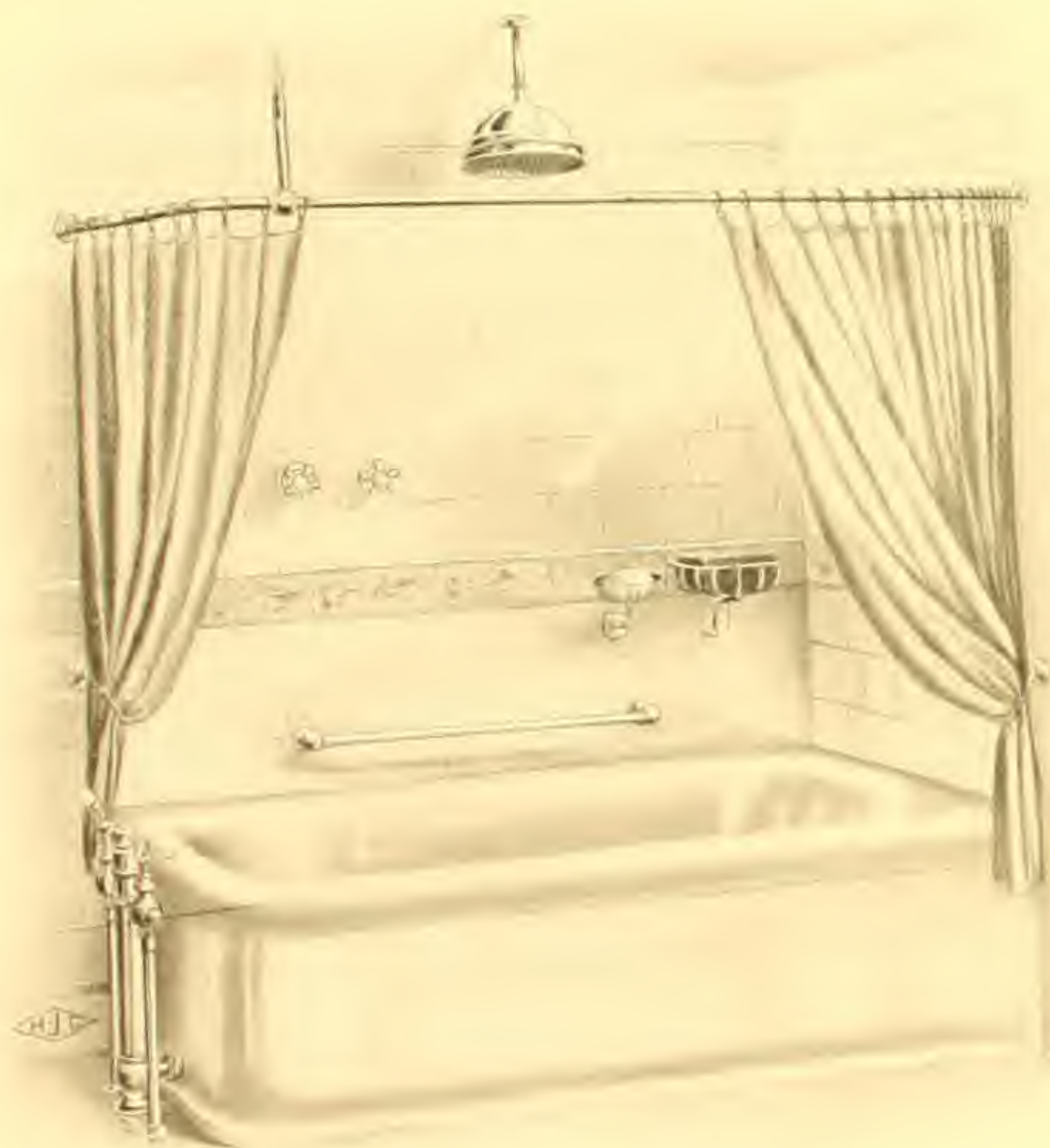


Plate H-1.

**"GENEVA" REGAL PORCELAIN BATH ON BASE**

For right or left hand corner; glazed inside and over the rim, balance of exterior unfinished, with "Electric" waste with china knob and filler bottom ball supply fixture, large offset china lever handles, and 1/2 inch supply pipes, iron pipe weight, and with two flanged shower valves, 7 inch overhead tubular shower with air inlet valve with rope to ceiling, curtain rod with support to ceiling, and two white duck or rubber curtains with hook and chain as shown, all nickel plated.

Length of bath, .....	5 ft.	5 1/2 ft.	6 ft.
Class A with fixtures (exterior finish & boxing extra) .....	\$168.75	\$177.25	\$198.50
Class B, ditto .....	134.50	143.00	164.50

If shower, shower valves, curtain rod and curtains are not furnished, deduct \$30.00. Soap holder, sponge holder and grip rod, extra.

When ordering—specify if for right hand corner as shown, or for left hand corner; also height of ceiling and of curtain rod.



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Plate H-8

**"FRANCO" REGAL PORCELAIN BATH ON BASE**

Heavy pattern, glazed inside and over the rim, balance of exterior unfinished, with "Electric" waste with china knob and bottom bell supply fixture with No. 6-C index handles with china arms and  $\frac{3}{4}$  inch supply pipes, iron pipe weight, all nickel plated.

Length of bath	4½ ft.	5 ft.	5½ ft.	6 ft.
Class A with fixtures (exterior finish & boxing extra)	\$132.50	\$141.00	\$154.00	\$171.00
Class B, ditto	103.00	109.00	118.00	130.00

**PLATE H-9**—Not illustrated. Heavy pattern same as Plate H-8 but without base, and with round porcelain feet.

Length of bath	4½ ft.	5 ft.	5½ ft.	6 ft.	6½ ft.
Class A with fixtures (exterior finish & boxing extra)	\$125.50	\$134.00	\$142.50	\$159.50	\$176.50
Class B, ditto	98.50	104.50	110.50	122.50	134.50

If with nickel plated knob with china index on waste, and No. 8-C china index handles on supplies, deduct \$4.00

For price of exterior finish, see page 27.

Bath tubs made of "Regal" porcelain have a beautiful white glaze, and are easily kept clean by wiping with a damp cloth. The Class B pieces have slight flaws in the surface which do not affect their durability.



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**Plate H-15—"FRANCO" REGAL PORCELAIN BATH ON BASE**

Light pattern, glazed inside and over the rim, balance of exterior unfinished, with "Electric" waste with china knob and bell supply fixture with No. 8-C China index handles and 3/4 inch supply pipes, iron pipe weight, all nickel plated.

Length of bath .....	4 ft. 6 in.	4 ft. 10 in.	5 ft. 4 in.
Class A, with fixtures (exterior finish & boxing, extra) .....	\$99.50	\$104.00	\$112.50
Class B, ditto .....	84.50	89.00	95.00



**Plate H-17—"FRANCO" REGAL PORCELAIN BATH**

Light pattern, with round porcelain feet, glazed inside and over the rim, balance of exterior unfinished, with No. 2 connected overflow, plug and chain, No. 4 1/2 Fuller bath cock, offset couplings, and 3/4 inch supply pipes, iron pipe weight, all nickel plated.

Length of bath .....	4 ft. 6 in.	4 ft. 10 in.	5 ft. 4 in.
Class A with fixtures (exterior finish & boxing extra) .....	\$78.50	\$82.50	\$91.50
Class B, ditto .....	65.50	70.00	74.50

For price of exterior finish, see page 27.

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Plate H-50  
"HAJOCA" ENAMELED IRON BATH ON BASE



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Plate H-50

(Patented)

# "HAJOCA" ENAMELED IRON BATH ON BASE

With 4¼ inch flat top under turned roll rim, exterior unfinished, with "Hajoca" waste with china lever and No. 1 "Liberty" combination top nozzle supply fixture through rim with china base flanges, No. 12-C all china index handles, ¾ inch supply pipes, iron pipe weight, and with 9 inch tubular shower with air inlet valve with ¾ inch supply pipes through rim of tub connecting to tub supply pipes, "Duplex" non-scalding mixing valve (patent applied for) 35x30 inch oval curtain ring with wall brace, white duck curtain, hook and chain. All fixtures nickel plated.

**DIMENSIONS**—Length, see below; width over rim, 33½ inches; height, 23 inches.

Sizes (nominal)	4½ ft.	5 ft.	5½ ft.	6 ft.
Length over rim, actual	56¾ in.	63½ in.	68¾ in.	74¾ in.
Bath only, no fixtures (exterior finish and boxing extra)	\$53.50	\$57.75	\$62.25	\$66.75

Add for fixtures as described, less shower.....\$26.00

Add for shower as described.....56.50

For price of exterior finish see page 27.

NOTE—The "Hajoca" bath is not sold except with fixtures complete.

The "Hajoca" bath on account of its handsome appearance and its many desirable features has rapidly grown in favor for use where a strictly high grade fixture is desired.

Its 4¼ inch flat top roll rim is broad enough to sit upon comfortably, and the straight sides and flat bottom give a maximum of bathing space within the tub. In addition the flat bottom gives a firm footing, a feature specially appreciated by infirm persons and invalids, or where used in connection with a shower bath, as shown in the illustration.

The base presents a massive appearance, and makes a perfectly sanitary arrangement, as there is no open space under the tub to collect dust and dirt. The base should always be set below the tile.

The "Hajoca" waste and "Liberty" supply fixture are fully described and illustrated in detail on page 26. By using the No. 12-C all china handles and china base flanges, the amount of exposed nickel plated parts is reduced to a minimum.

The "Duplex" shower is connected to the bath supply pipes, thus making necessary only a single set of connections for both fixtures. By placing it over the tub, the space occupied by a separate fixture is saved, and it is very conveniently located for the rinsing and tonic effect which so many bathers enjoy after the plunge bath. The oval ring makes a roomy enclosure and the curtain may be swung out of the way when not in use. Further description of the "Duplex" shower, which controls both hot and cold water with a single valve, will be found on page 29.

In addition to all of these features of convenience and comfort, the "Hajoca" bath is graceful in design and presents a most handsome and attractive appearance which adds much to the artistic effect of the bath room. It is used largely for the bath rooms of fine residences.



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Plate H-55

(Patented)

### "HAJOCA" ENAMELED IRON BATH

With 4 1/4 inch flat top under turned roll rim, exterior unfinished, with "Hajoca" waste with china lever, No. 1 "Liberty" combination top nozzle supply fixture through rim with No. 5-C index handles with china arms, and 3/4 inch supply pipes, iron pipe weight, all nickel plated.

DIMENSIONS—Same as Plate H-50.

Sizes (nominal)	4 1/2 ft.	5 ft.	5 1/2 ft.	6 ft.
Bath only, no fixtures, (exterior finish and boxing extra)	\$36.75	\$41.25	\$45.50	\$50.00
Add for fixtures as described			\$22.00	
Add for 3/4 inch Fuller supply fixtures with large china levers in place of compression as shown			30.00	

For price of exterior finish, see page 27.

The "Hajoca" Bath shown above has the same advantages as the bath shown on pages 10 and 11, except that it is supported on our specially designed "Hajoca" feet instead of resting on base. It is one of our most popular high grade fixtures.

Fifty-six "Hajoca" baths have been recently installed in private bath rooms in the Hotel Strand, Atlantic City, N. J. They are also largely used in fine residences.



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Plate H-76

### "LOGAN" ENAMELED IRON BATH ON BASE

For right or left-hand corner, with  $3\frac{1}{2}$  inch roll rim, exterior unfinished, with "Hajoca" waste with china lever, No. 1 "Liberty" combination supply fixture through rim with top nozzle and No. 8-C china index handles and  $\frac{3}{4}$  inch supply pipes, iron pipe weight, all nickel plated.

Dimensions—Length see below; width over rim from wall line,  $28\frac{1}{2}$  inches; depth inside,  $17\frac{1}{2}$  inches.

Sizes (nominal)	$4\frac{1}{2}$ ft.	5 ft.	$5\frac{1}{2}$ ft.
Actual length over rim from wall line	$52\frac{1}{2}$ in.	$58\frac{1}{2}$ in.	$64\frac{1}{2}$ in.
Bath only, no fixtures (exterior finish and boxing extra)	\$69.50	\$75.50	\$81.75

Add for fixtures as described, \$20.00

For price of exterior finish, see page 27.

The "Logan" bath is a new model, and is intended for setting into tile or marble wainscoting. The rims at the back and end are arranged to set into the tile, and the base should be imbedded in the floor, thus affording no openings for the accumulation of dirt or vermin. This style of bath saves space and at the same time requires but little cleaning, and is recommended as a thoroughly modern and sanitary fixture.

When ordering specify if for right-hand corner, as shown, or for left-hand corner.





Plate H-83

**"ERIE" ENAMELED IRON RECESS BATH ON BASE**

With 3½ inch roll rim, exterior unfinished, with "Electric" waste and compression supply fixture concealed in wall at end of tub with china lever handle on waste and No. 5-C index handles with china arms on supply valves, and with bottom bell supply nozzle. All exposed fittings nickel plated.

Sizes (nominal) .....	4½ ft.	5 ft.	5½ ft.
Bath only, no fixtures (exterior finish and boxing extra) .....	\$66.75	\$72.25	\$77.75
Add for fixtures as described .....			\$30.00

For price of exterior finish, see page 27.

The fixtures may be concealed in the wall at either left end as shown, or at right end. When ordering, always specify which end. The 5 foot size may also be furnished with center outlet and with fixtures concealed in the back wall.

The "Erie" bath may also be furnished with one end sloping—at the same price.

The back and both ends of the "Erie" bath are built into the flange, and the fixtures present a very small amount of nickel plated work to be kept polished. On this account, hotels and apartment houses are frequently designed with a recess to suit this bath, thus saving considerable cost in maintenance.

The Battle House, Mobile, Ala., is equipped with 110 "Erie" baths.





Plate H-136

## "LIBERTY" ENAMELED IRON BATH ON BASE

With 3 inch roll rim, exterior unfinished, with "Hajoca" waste with china lever, No. 1 "Liberty" combination supply fixture through rim with top nozzle, Fuller valves and style "H" china levers, and  $\frac{1}{2}$  inch supply pipes, iron pipe weight, all nickel plated.

Sizes (nominal)	4½ ft.	5 ft.	5½ ft.
Bath only, no fixtures (exterior finish and boxing extra)	\$33.50	\$39.00	\$44.50
Add for drilling rim for fixtures			\$ 2.00
Add for fixtures as described			21.00
Add for fixtures as described, except with compression valves with No. 4-C china index handles			\$19.00

For price of exterior finish, see page 27.

The base adds much to the handsome and massive appearance of the "Liberty" bath, and makes a perfectly sanitary arrangement, as there is no open space under the tub to collect dust and dirt. The base should be set *below* the level of the tile.

For dimensions of the "Liberty" bath, and description of its other features, see page 17.

Note—The "Liberty" bath is not sold except with fixtures complete.

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Plate H-147

"LIBERTY" ENAMELED IRON BATH

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## Plate H-147

## "LIBERTY" ENAMELED IRON BATH

With 3 inch under turned roll rim, exterior unfinished, with "Hajoca" waste, with china lever and No. 1 "Liberty" combination supply fixture with high rim, with top nozzle and No. 5-C index handles with china arms, with supply pipes, iron pipe weight, and with 5 inch rain shower with inlet valve and 1/2 inch supply pipes through rim of tub connecting to supply pipes, "Equality" non-scalding mixing valve (patented) with a lever and shut off valve, 35x30 inch oval curtain ring with wall brace, rubber duck curtain, hook and chain. All fixtures nickel plated.

DIMENSIONS—Length, see below; width over rim, 30 1/2 inches; height, 21 inches.

s (nominal)	4 ft.	4 1/2 ft.	5 ft.	5 1/2 ft.	6 ft.
length over rim, actual	48 in.	55 in.	61 in.	67 in.	72 in.
in only, no fixtures (exterior finish extra)	\$24.00	\$24.00	\$27.00	\$30.75	\$35.25

Add for drilling rim for fixtures.....\$ 2.00

Add for fixtures as described, less shower..... 21.00

Add for shower as described..... 51.00

Add for shower as described but with 3/4 inch supply pipes.....\$57.50

Note.—The "Liberty" bath is not sold except with fixtures complete.

For price of exterior finish, see page 27.

The enormous popularity which our "Liberty" bath has attained is due not only to the grace and beauty of its appearance, but also to the many desirable and practical features which it presents. The straight sides and steep slope at the head end make it roomy inside, giving a maximum of bathing space in proportion to the amount of floor space occupied in the bath room. The flat bottom affords a firm footing for the bather, a feature much appreciated by all, but especially by invalids and infirm persons. This is also a particularly desirable feature when a shower is used in connection with the bath, as shown in the illustration.

Owing to its popularity, the "Liberty" bath has been imitated, but the genuine may be easily recognized by the name "Liberty" which is cast on the bottom of the tub outside as well as by the usual label on the inside. The enamel is of the best quality, and is guaranteed for five years—and the tub bears our blue and gold guarantee label.

The feet furnished with the "Liberty" bath are our special "Hajoca" design, and add much to the handsome and distinctive appearance of the fixture.

The under turned roll rim also is a new feature which insures a clean white edge to the rim.

The "Hajoca" waste and "Liberty" combination supply fixture are described fully on page 26. The "Equality" single lever mixing shower on page 29. The shower being connected to the supply pipes, only a single set of connections is required for both fixtures. The space occupied by a separate shower is saved by placing it over the tub, where it is very conveniently located for use. The rinsing and tonic effect which so many bathers enjoy after the plunge bath. The oval curtain is firmly braced to the wall and makes a roomy enclosure, and the curtain may be swung back out of the way when not in use.



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Plate H-164

# "LIBERTY" ENAMELED IRON BATH

With 3 inch under turned roll rim, exterior unpolished, no fixtures.

For description and dimensions, see page 17.

Sizes (nominal)	4 ft.	4½ ft.	5 ft.	5½ ft.	6 ft.
Bath only (exterior finish, extra)	\$24.00	\$24.00	\$27.00	\$30.75	\$35.25

If tub is drilled for fixtures through the rim, add \$2.00

For prices of exterior finish, see page 27.

For prices of fixtures which can be furnished with the "Liberty" bath, see the following illustrations:

PLATES H-282, H-284, H-286, H-313, H-327, H-330 & H-332.

Note - The "Liberty" bath is not sold complete with fixtures.

When the "Liberty" bath is desired for use at the seaside it is furnished with a special enamel to stand salt water.



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Plate H-194

### "POINTER" ENAMELED IRON BATH

With 2 $\frac{1}{4}$  inch roll rim, exterior unfinished, no fixtures.

Dimensions—Length, see below; width over rim, 28 $\frac{1}{2}$  inches; height, 22 $\frac{1}{2}$  inches.

Sizes (nominal)	1 ft.	4 $\frac{1}{2}$ ft.	5 ft.	5 $\frac{1}{2}$ ft.
Length over rim, actual	48 $\frac{1}{2}$ in.	54 $\frac{1}{2}$ in.	60 $\frac{1}{2}$ in.	66 $\frac{1}{2}$ in.
Bath only (exterior finish extra)	\$21.75	\$21.75	\$24.00	\$27.75

If tub is drilled for fixtures through rim, add ..... \$2.00

For prices of exterior finish, see page 27

For prices of fixtures which can be furnished with the "Pointer" bath, see the following illustrations:

PLATES H-282, H-284, H-286, H-313, H-327, H-330 & H-332.

Note: The "Pointer" bath is sold only complete with fixtures.

The "Pointer" bath is of the best grade of enamel and carries our blue and gold label and our full five year guarantee. It is furnished with flat bottom, but having only a 2 $\frac{1}{4}$  inch rim is somewhat more compact than the "Liberty." These features make it the most desirable bath where a strictly first class article at a moderate price is required.





Plate H-224

**"CHESTER" ENAMELED IRON BATH**

With 3 inch roll rim, exterior unfinished, no fixtures.

Dimensions:—Length, see below; width over rim, 30 inches; depth inside, 17 inches; height 23 inches.

Sizes (nominal) . . . . .	4 ft.	4½ ft.	5 ft.	5½ ft.	6 ft.
Length over rim, actual . . . . .	48¾ in.	54¾ in.	60¾ in.	66¾ in.	72¾ in.
Bath only (exterior finish extra)	\$21.75	\$21.75	\$24.00	\$27.75	\$32.25

If tub is drilled for fixtures through rim, add . . . . . \$2.00

For price of exterior finish, see page 27.

For prices of fixtures which can be furnished with the "Chester" bath, see the following illustrations:

**PLATES H-278, H-280, H-282, H-284, H-286, H-313 & H-327.**

The "Chester" is a thoroughly dependable medium grade bath designed specially to meet the demand for a good low priced article. It has a full 3 inch roll rim and a flat bottom and is "double enameled" and guaranteed for two years.



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Plate H-234

"NARROWENE" ENAMELED IRON BATH

With 2 inch roll rim, exterior unfinished, no fixtures

Dimensions — Length, see below, width over rim, 24½ inches; height, 22½ inches.

Sizes (nominal) .....	4 ft.	4½ ft.	5 ft.	5½ ft.	6 ft.
Length over rim, actual.....	47½ in.	53½ in.	59½ in.	65½ in.	71½ in.
Bath only (exterior finish extra)	\$21.75	\$21.75	\$24.00	\$27.75	\$32.25

For price of exterior finish, see page 27.

For prices of fixtures which can be furnished with the "Narrowene" bath, see the following illustrations:

PLATES H-278, H-280, H-282, H-284 & H-286.

The "Narrowene" tub is a moderate priced article of the same grade as the "Chester" tub, and is guaranteed for two years. It is narrow enough to take the place of old style copper tubs, or for use when little floor space is available, and yet allows sufficient room inside for the convenient accommodation of the bather.



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Plate H-244

# "TELFORD" ENAMELED IRON BATH

With 3 inch roll rim, exterior unfinished, no fixtures.

Dimensions:—Length, see below, width over rim, 30 inches; height, 22½ inches.

Sizes, in feet	4½ ft.	5 ft.	5½ ft.
Bath only (exterior unfinished)	\$19.00	\$19.00	\$22.50

For prices of fixtures which can be furnished with the "Telford" bath, see the following illustrations:

## PLATES H-278, H-280 & H-284.

The "Telford" is designed to meet the demand for a competitive grade of article of good pattern. It has 3 inch roll rim and a flat bottom, but is not guaranteed and is furnished drilled 3¾ in. C to C, and for overflow only.





Plate H-261

ENAMELED IRON SITZ BATH  
ON BASE

With 3 inch roll rim and 3 inch extensions at sides, exterior unfinished, with "Electric" waste with china knob and bottom bell supply fixture through rim with No. 8-C china index handles and  $\frac{1}{2}$  inch supply pipes, iron pipe weight, all nickel plated.

DIMENSIONS—Over rim, front to back,  $31\frac{1}{2}$  inches; from right to left 31 inches; height at back, 23 inches; at front, 15 inches.

Bath only, no fixtures, (exterior finish and boxing extra) . . . \$42.00

Add for fixtures as described, \$21.00



Plate H-261

Plate H-264

ENAMELED IRON SITZ BATH

With 3 inch roll rim, exterior unfinished with "Electric" waste with china knob, and bottom bell supply fixture with No. 8-C china index handles and  $\frac{1}{2}$  inch supply pipes, iron pipe weight, all nickel plated.

DIMENSIONS—Over rim from front to back,  $27\frac{3}{4}$  inches; from right to left,  $28\frac{1}{2}$  inches; height at back, 20 inches; at front, 15 inches. Fixtures require a space of 4 inches.

Bath only, no fixtures (exterior finish and boxing extra) . . . \$28.00

Add for fixtures as described, \$20.00



Plate H-264

For prices of exterior finishes, see page 27.





Plate H-278

No. 2 connected overflow, rubber stopper and chain. No. 1 rubber bath cock 1 1/2 inches center to center with offset couplings and 1/2 inch No. 11 supply pipes, all nickel plated. Underlay.

For No. 11 supply pipes, sizes and per pair.

For 1/2 inch from floor weight supply pipes and per pair.

For No. 2 connected overflow, No. 17 proper to place at No. 1 and

Plate H-280

No. 2 connected overflow, rubber stopper and chain. No. 1 compression bath cock 1 1/2 inches center to center with offset couplings and 1/2 inch No. 11 supply pipes, all nickel plated. Underlay.

\$1.15

\$1.00

\$1.00



Plate H-282

No. 2 connected overflow, rubber stopper and chain. No. 1 compression bath cock 1 1/2 inches center to center with offset couplings and 1/2 inch No. 11 supply pipes, all nickel plated. Underlay.

If with No. 2 rubber bath cock 1 1/2 inches center to center with offset couplings and 1/2 inch No. 11 supply pipes, all nickel plated. Underlay.

\$1.15



Plate H-284

Pressure waste with chain index. No. 1 compression bath cock 1 1/2 inches center to center with offset couplings and 1/2 inch No. 11 supply pipes, all nickel plated. Underlay.

\$1.15

If with floor level on weight and

\$1.20





Plate H-286

"Electric" waste with china knobs, No. 1 & 2 Fuller bath cock, 1 1/2 inches center to center with offset couplings, and 1 1/2 inch supply pipes, iron pipe weight, all nickel plated. (Only extra)

\$15.50

If with china index instead of china knobs, waste deduct

\$1.00



Plate H-313

"Electric" waste with china index, top nozzle supply fixture with No. 2-C china index handles, 1 1/2 inch supply pipes, iron pipe weight, all nickel plated. (Only extra)

\$12.50

Same except with bottom ball, (Only extra)

\$30.00

If with large Fuller valves with offset china lever handles, add

\$10.00



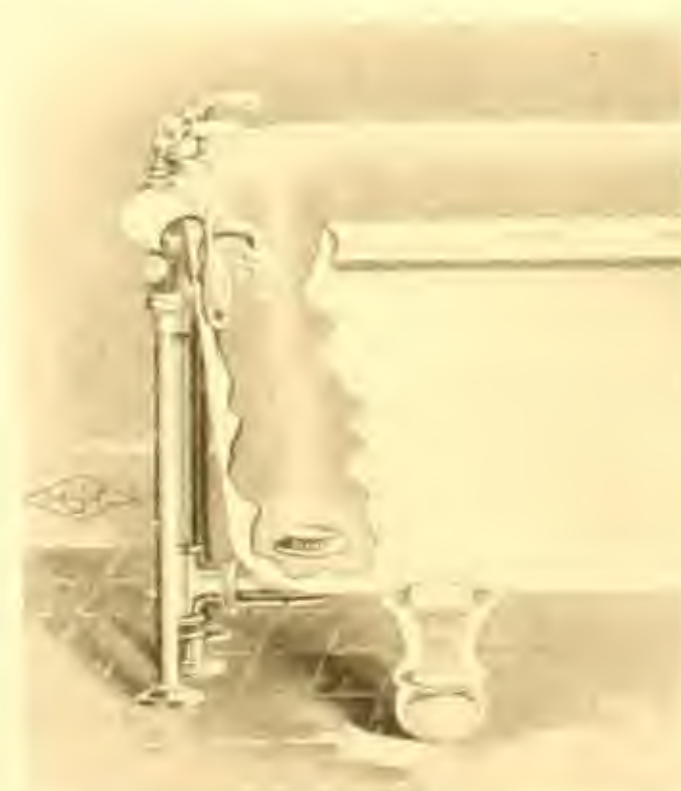
(Patented)  
Plate H-327

"Hogosa" waste through rim, with china lever "Hogosa" compression bath cock, 1 1/2 inches center to center, with ball ell couplings, No. 2-C indexed handles and 1 1/2 inch supply pipes, iron pipe weight, all nickel plated, used with "Liberty", "Chester" and "Pompey" baths only.

\$18.00

If with 1 1/2 inch supply pipes, iron pipe weight deduct

\$0.75



(Patented)  
Plate H-332

"Hogosa" waste with china lever, No. 1 (Liberty) combination supply fixture through rim with top nozzle, Fuller valves and offset china levers, and 1 1/2 inch supply pipes, iron pipe weight, for "Liberty" or "Chester" bath, all nickel plated.

\$25.00

Plate H-333. Same as above, with 1 1/2 inch supply pipes and large Fuller valves and offset china levers for "Hogosa" bath.

\$30.00





# "HAJOCA" BATH WASTE AND OVERFLOW

Nickel plated, with china lever handle.

(Patented)

PLATE H-328 as shown, for "Liberty," "Pointer" or "Chester" tub, each .....\$8.50

PLATE H-329 for "Hajoca" tub, each....\$9.50

It will be noted that the water is held in the tub by the lifting plug at the outlet of the "Hajoca" waste. Thus the water used by the bather cannot come in contact with concealed waste or stand pipes, or the last of the drain from the previous user.

The waste is opened or closed by means of the lever on top of the rim, and the operating mechanism is simple, efficient and easy to manipulate. Being attached to the rim it saves space both inside and outside of the tub and yet is convenient of access.



PLATE H-328

## "HAJOCA" WASTE AND "LIBERTY" COMBINATION SUPPLY FIXTURE

Nickel plated, with china lever, and No. 4-C china index handles and supply pipes.

(Patented)

PLATE H-330 as shown, for "Liberty" or "Chester" tub, including  $\frac{1}{2}$  inch supply pipes, iron pipe weight .....\$19.00

PLATE H-331, for "Hajoca" tub, including  $\frac{3}{4}$  inch supply pipes, iron pipe weight....\$20.00

The "Liberty" combination supply fixture is handsome, compact and convenient of access without being in the way of the bather. The working parts are attached through the rim and are so arranged that they may be removed, should rewashing become necessary, without disconnecting the bath.



PLATE H-330





Interior View of Our Finishing and Decorating Shop.

## EXTERIOR FINISH FOR BATHS

The baths shown in the preceding pages are described as having "exterior unfinished." To give them the fine exterior finish which adds so much to their beauty, special appliances are necessary for smoothing the outside of the bath, baking the enamel, etc.; and skilled workmen for properly applying and rubbing down the various coats of filler, body color and enamel. It is a matter of pride with us that the product of our finishing shop is second to none.

No. 1 finish is perfectly smooth and white, or may be tinted in any shade to order, is carefully baked and rubbed between each coat, and is guaranteed not to craze or crack, with the frequent changes of temperature to which a bath is subjected. It may be distinguished by our gold "William Penn" trade mark placed near the overflow. The No. 2 finish receives fewer coats, and is less carefully smoothed and rubbed, and while not as fine as the No. 1 finish, is well adapted for use where a more moderate price is desired. The No. 3 finish receives three coats, without any smoothing or rubbing whatever. For all finishes none but the best materials are used.

At least two weeks' time is required to apply the No. 1 finish to a bath. We carry in stock, however, a large assortment of the most called for styles, especially in No. 1 finish, ready for immediate shipment.

	Our Enamelled or Regal Porcelain Baths on Feet	Our Enamelled or Regal Porcelain Baths on Base	Our Enamelled Sitz Bath or Shower Receipt for on Feet	Our Enamelled Sitz Bath or Shower Receipt for on Base
No. 1, white finish only (boxing extra)	\$11.00	\$13.00	\$5.50	\$7.00
No. 2, white finish only (crating extra)	6.50	8.00	3.50	4.50
No. 3, white finish only (crating extra)	4.00	—	—	—

Fancy decorations extra to order. Prices on application.





Plate H-430

# NICKEL PLATED BRASS SHOWER AND NEEDLE BATH

With 24 inch diameter round curtain ring and white duck curtain hook and chain, compression controlling valves with china index handles, 9 inch tubular shower with air inlet valve, and soap cup.

Outfit as described. . . . \$62.00.

**Plate H-431**—Not illustrated. (Patented). Shower and needle bath as above, but equipped with "Equality" single lever non-scalding mixing valve (see description on page 28.)

Outfit as described. . . . \$71.00.

**Plate H-432**—Not illustrated. Shower and needle bath similar to Plate H-430, but arranged for use with bath tub, with needle pipes projecting inside of tub and valves to suit.

Outfit as described. . . . \$65.00.

For oval curtain ring, 32 by 27 inches, with top brace and curtain to suit in place of round curtain ring, add \$6.00.

If curtain ring and curtain are not furnished, deduct \$10.00.

The fixture shown above is simple and efficient, and is moderate in price. Plates H-430 and H-431 are adapted for use over shower receptors; or without ring and curtain, in shower stalls, etc. To secure the best results the supply pipes should be  $\frac{3}{4}$  inch, and the water pressure at least 20 pounds.

We have a well equipped department of our factory devoted to the manufacture of needle and shower baths, and are prepared to furnish any kind to order, and to submit suggestions of fixtures to suit special requirements.

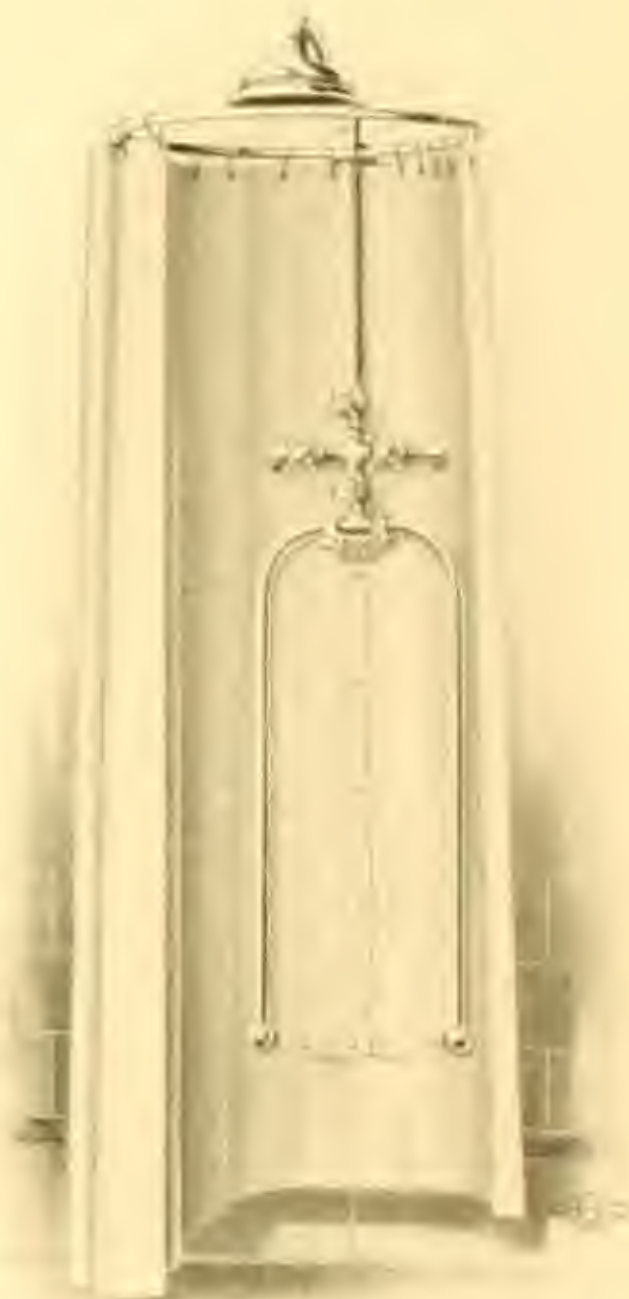


Plate H-430





## Plate H-438

(Patented)

"EQUALITY" NON-SCALDING  
SINGLE LEVER MIXING  
SHOWER VALVE

Size  $\frac{1}{2}$  inch with brass or china lever and stop valve, all nickel plated, each .....\$12.50

If with china dial plate, add .....\$1.50

Made also in  $\frac{3}{4}$  inch sizes for needle baths, etc. Price on application.

The "Equality" mixing valve is without springs or eccentrics, and is specially adapted to the needs of public shower baths because of its durability and its ease, quickness and simplicity of adjustment.

"Equality" valves are in use in bath houses of the Public Baths Association, Philadelphia; and a large number of them in Y. M. C. A.'s, and in numerous schools and colleges.

For description of complete shower baths, equipped with "Equality" valves, see Plates H-431, H-440, H-441, H-443 and H-448.



Plate H-438

## Plate H-439

(Patent applied for)

"DUPLEX" MIXING SHOWER  
VALVE

No. 2,  $\frac{1}{2}$  inch, each .....\$12.50

No. 1,  $\frac{3}{4}$  inch, each ..... 15.00

No. 1 is also furnished  $\frac{1}{2} \times \frac{3}{4}$  inch.

The "Duplex" is direct and positive in action, always closing off tight.

As the valve is opened, first cold, then mixed, and finally hot water is admitted. In this way, much waste of hot water is prevented.

This valve has been approved by the U. S. Government and a large number have been installed in Custom House and Post Office build-

ings, as well as in private residences and public bathing establishments, colleges, Y. M. C. A.'s, etc. It will give satisfactory service under high water pressures, but when so installed, should be furnished with a shut-off valve, which can be set to regulate the flow.



Plate H-439





Plate H-440

*(Patented)***NICKEL PLATED "EQUALITY" SHOWER**

With  $\frac{1}{2}$  inch supply pipes to floor, "Equality" non-scalding mixing valve with china lever and shut off valve, 42 inch square curtain ring with top brace and white duck curtain, hook and chain and  $6\frac{1}{2}$  inch rain shower head with air inlet valve and removable face.

Shower as described, not including receptor.....\$49.50

Same with  $\frac{3}{4}$  inch supply pipes.....\$56.00

Add for 42 inch square enameled iron receptor on base, with strainer, exterior unfinished (boxing extra) .....\$50.00

For prices of exterior finish of receptor, see page 27.

The square curtain ring gives the bather the benefit of the full size of the shower receptor, the space within the curtain being almost as large as the average shower stall.



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Plate H-441  
(Patented)

**NICKEL PLATED "EQUALITY"  
SHOWER**

With  $\frac{1}{2}$  inch supply pipes and "Equality" non-scalding mixing valve with china lever handle and shut off valve, 24 inch round curtain ring, white duck curtain, hook and chain and 9 inch tubular shower with air inlet valve...\$36.00

Same with  $\frac{3}{4}$  inch supply pipes . . . . . \$42.50

For 32x27 inch oval curtain ring with top brace, add.....\$6.00

For shampoo attachment with rubber tube and  $2\frac{1}{2}$  inch rubber bound sprinkler as shown Plate H-474, add.....\$3.00

For description of the Equality Valve, see page 29.

"Equality" showers are furnished with china or nickel plated brass lever at the same price. The latter is recommended for public installations on account of its greater strength.



Plate H-443  
(Patented)

**NICKEL PLATED "EQUALITY"  
SHOWER**

With  $\frac{1}{2}$  inch supply pipes and "Equality" non-scalding single lever mixing valve, with shut off valve, adjustable swing joint, and 5 inch rain shower, with air inlet valve and removable face.....\$27.00

Same with  $\frac{3}{4}$  inch supply pipes . . . . . \$33.50





Plate H-448

(Patented)

## NICKEL PLATED "EQUALITY" SHOWER

With  $\frac{1}{2}$  inch pipes to wall, "Equality" non-scalding mixing valve with china lever and shut off valve, universal adjustable ball joint and 5 inch rain shower with air inlet valve and removable face.

Price, not including stall or curtain and rod.....\$23.00

Add for 1 inch curtain rod and white duck curtain, 3 feet by 6 feet.....\$5.00

Add for shampoo attachment, including  $2\frac{1}{2}$  inch rubber bound shampoo sprinkler and 5 feet of rubber tube.....\$3.00

Shower stall can be furnished of marble or slate of any size desired; prices on application.

For description of the "Equality" mixing valve, see page 29.

The arrangement above illustrated is an especially convenient one. The "Equality" valve being placed near the entrance to the stall, the bather can adjust the temperature of the water before entering, and the drip from the shower head does not fall upon the supply valve. To secure a cold shower at the conclusion of a warm bath a partial turn of the lever is all that is necessary. The angle of the spray can, if desired, be regulated by means of the ball joint in fall upon the body only without wetting the head.

This shower can be placed on either right hand wall of stall or left hand as shown; unless otherwise ordered, will be sent to suit left hand wall.



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Plate H-452

(Patent Applied for)

### NICKEL PLATED "DUPLEX" SHOWER

With  $\frac{1}{2}$  inch supply pipes to wall, "Duplex" non-scalding mixing valve, 32x27 inch oval curtain ring with top brace and white duck curtain, hook and chain and 5 inch rain shower with air inlet valve and removable face .....\$39.50

If with supply pipes to floor instead of wall, add.....\$3.50

If with 24 inch diameter round curtain ring and duck curtain to suit, deduct .....\$6.00

If without curtain ring and curtain, deduct.....\$16.00

For description of the "Duplex" shower valve, see page 29.

The large size of the oval curtain ring shown above (32x27 inches) gives the bather ample freedom for movement and prevents the damp curtain from coming in contact with the body.





Plate H-454

(Patent Applied For)

### NICKEL PLATED "DUPLEX" SHOWER

With 1/2 inch return bends and shut off valves. Duplex "m" scalding mixing valve, universal adjustable ball joint, 5 inch rain shower head with air inlet valve and removable face, shampoo attachment with 1/4 inch rubber bound sprinkler with hardwood handle, rubber tube and wall hook.

Price as described, not including supply pipes from ceiling, \$32.00

Supply pipes can be furnished any length to order. Prices on application.

Shower as above, but without return bends, and with 1/2 inch supply pipes to floor, and shut off valves, \$34.50

For description of "Duplex" mixing valve, see page 29.



Plate H-468

### NICKEL PLATED SHOWER AND MIXING CHAMBER

With 1/2 inch supply pipes to wall, 1x12 inch mixing chamber, double shower valve with china index handles, self-closing valve on up-right pipe with ring and chain and 1/2 inch tubular shower with air inlet valve. \$52.00

When a mixing shower valve, such as our "Equality" or "Duplex" is not used, the mixing chamber shown above is very desirable. It is constructed with an interior strainer which thoroughly mixes the water and prevents any risk from sudden changes of temperature.

The self-closing valve can be applied to any shower shown in this catalogue and will prevent waste of water by careless bathers, or where the water supply is on a meter system.





Plate H-474

### NICKEL PLATED SHOWER AND SHAMPOO

With  $\frac{1}{2}$  inch supply pipes, double shower valve with china index handles, 24 inch round curtain ring and white duck curtain, hook and chain, 9 inch tubular shower with air inlet valve and  $2\frac{1}{2}$  inch rubber bound shampoo sprinkler....\$33.00

Same with  $\frac{3}{4}$  inch supply pipes . . . . . \$39.50

If without shampoo attachment and valve in upright pipe, deduct . . . . . \$4.00

If preferred, adjustable swing joint and 5 inch rain shower with air inlet valve and removable face as shown Plate H-443, will be furnished at \$1.00 extra.

Our showers are made of full iron pipe weight brass pipes, and on this account are much stronger and more durable than those made of lighter tubing.



Plate H-476

### NICKEL PLATED SHOWER

With  $\frac{1}{2}$  inch supply pipes, double shower valve with china index handles and 9 inch tubular shower with air inlet valve.....\$19.00

Same with  $\frac{3}{4}$  inch supply pipes . . . . . \$25.50

For shampoo attachment,  $2\frac{1}{2}$  inch rubber bound sprinkler, 5 feet of rubber tube and valve in upright pipe, add . . . . . \$4.00



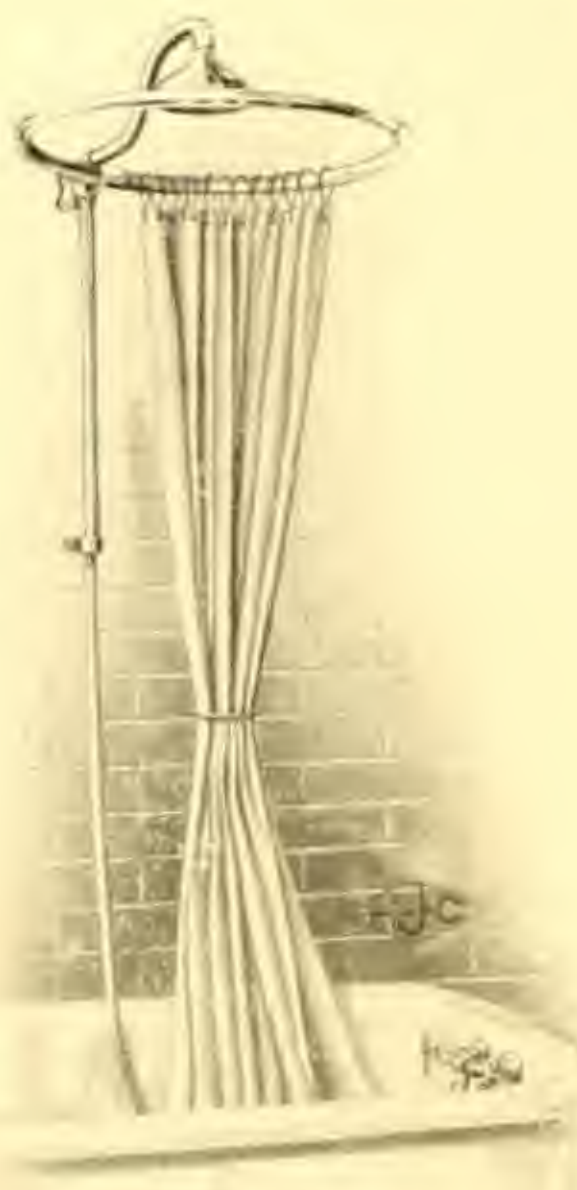


Plate H-482

### NICKEL PLATED PORTABLE SHOWER

With rubber tube, connection for bath cock, round curtain ring, white duck curtain and wall hook, and rain shower .....\$12.50

This shower is especially adapted for use in apartments and rented houses. It is fastened to the wall by screws and is easily removable.

The supply connection will fit any bath cock and can be quickly attached.



### Plate H-484 NICKEL PLATED SPOKE SHOWER

This shower can be furnished in place of 9 inch tubular showers where shown in this catalog at an extra cost of .....\$7.50

The Spoke shower will not "blow out" even under heavy pressures. The water is delivered in a fine rain spray 18 inches in diameter.



### Plate H-497 "HAJOCA" STALL GRATE

Nickel plated with lock nut and removable strainer.

Size of shank, ins	1 1/2	2	3
Each	\$2.75	\$3.00	\$3.75

This grate overcomes satisfactorily the difficult problem of connecting the waste from shower and urinal stalls to the drain. First attach by the lock nut to the floor slab and then bring up the lead waste pipe through the center. By removing the strainer, the lead may be flanged over and soldered to a recess made for the purpose on the inside near the top.



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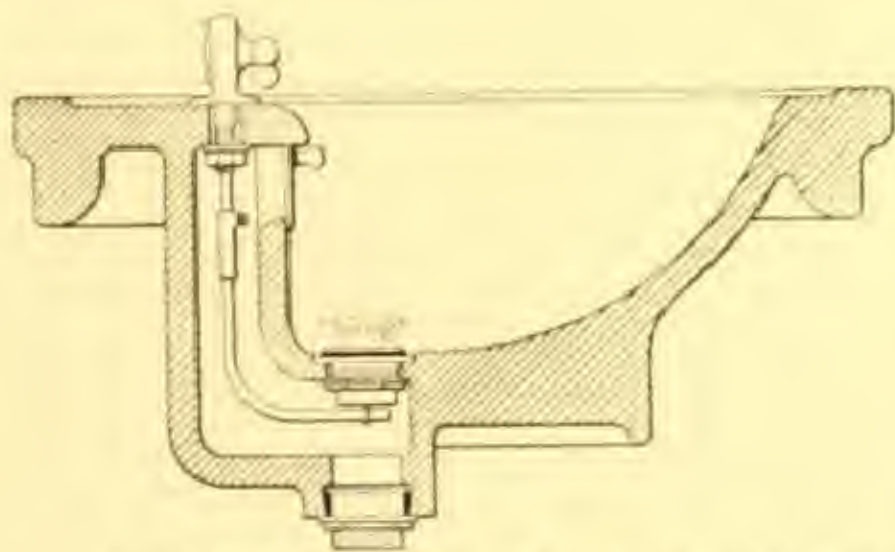
### "VITREO" LAVATORIES.

On the following pages are illustrated lavatories in "Vitreo" porcelain ware. The enormous increase in our sales of these lines is evidence of the many desirable features which they possess.

From a sanitary standpoint these lavatories are unexcelled. The earthenware body is vitrified throughout, making it absolutely non-absorbent, even if the outer glazing should become chipped or cracked. The surface is covered by a heavy rich gloss, which is very hard and is not affected or stained by the action of chemicals, medicines or soaps. The entire surface is very smooth, and easily kept clean and the exterior gloss will retain its fine lustre indefinitely.

We invite particular attention to the beauty of the designs, and to the large variety of styles, suitable for every requirement.

### THE "HAJOCA" BASIN WASTE



Sectional View of the "Hajoca"  
Basin Waste.

In designing the "Hajoca" Basin Waste a few years ago it was our aim to place on the market a fixture which would combine the most recent practical and sanitary features with the greatest efficiency and convenience for the user.

The waste and overflow are extra large, rendering impossible the accidental overflowing of the basin, and the consequent damage to carpets, ceilings and wall paper.

It will be noted that the water is held in the basin by the lifting plug at the outlet. Thus the water being used by the bather cannot come in contact with the concealed waste or stand pipes, or the last of the drain from the previous user.

The waste plug is operated by a lever on top of the lavatory, and the interior of the overflow is accessible for cleaning.

Our 1½ inch "Hajoca" trap is always furnished in connection with the "Hajoca" waste.



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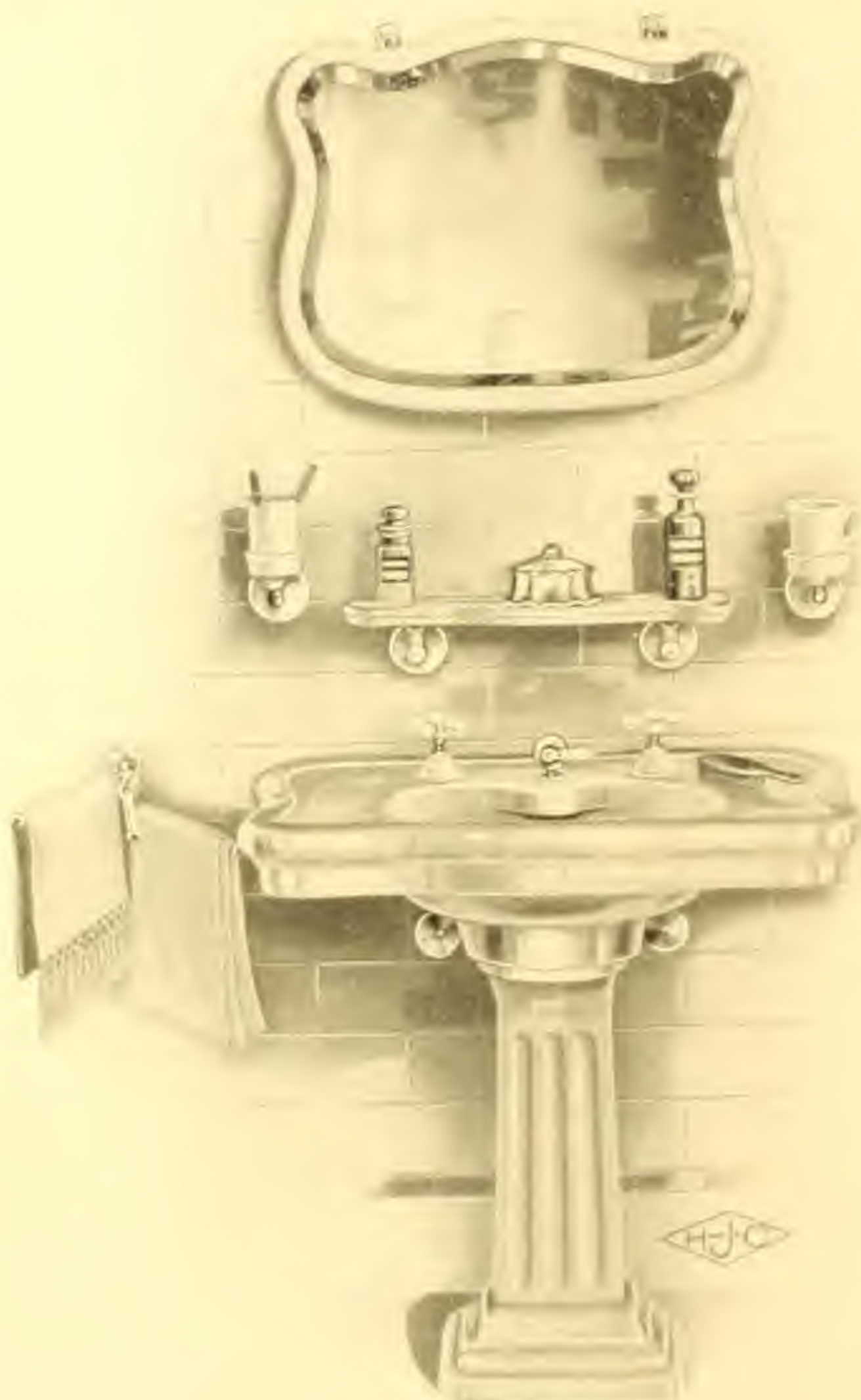


Plate H-590

"HAJOCA" VITREO LAVATORY WITH CONCEALED SUPPLY AND  
INTEGRAL TRAP.



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Plate H-590

(Patented)

# "HAJOCA" VITREO LAVATORY WITH CONCEALED SUPPLY AND INTEGRAL VITREO TRAP.

Fancy front, on "Dorian" pedestal with wall cleats. "Hajoca" waste with "Hajoca" large overflow and china lever, compression combination supply fixture, with concealed supply inlet and No. 11-C all china index handles and china base flanges,  $\frac{1}{2}$  inch short supply pipes, iron pipe weight, to wall with wheel handle stops, and waste connection from integral trap to wall, all nickel-plated.

33x24 inches, as described .....\$83.50

Mirror, towel rack, shelf and other trimmings extra.

The "Hajoca" lavatory with concealed supply and integral trap represents a new departure in lavatory construction. The trap is moulded in the earthenware so that only a short nickel-plated connection is necessary to carry the waste to the wall.

The supply nozzle, while concealed from view, admits the water at any desired temperature, controlled by the supply valves. This allows the user to wash and rinse in a running stream, a feature which is much appreciated.

The absence of the inlet nozzle reduces to a minimum the amount of nickel-plated work on top of the wash stand. The handles and flanges are also of white china, leaving but little metal work exposed to be kept bright, and presenting a most attractive appearance, clean and white.

We recommend that the supply and waste pipes should always be carried to the wall, as shown, where they are most inconspicuous.

The outfit is equipped with the "Hajoca" waste, the sanitary features of which recommend it to the most fastidious. The waste is controlled at the outlet of the basin and the water in use cannot circulate around concealed pipes which are coated with the sediment from the last user. The large overflow prevents damage to floors and ceilings from careless flooding of the basin. A sectional illustration will be found on page 37.



Showing the Integral Trap. Note also that the Inlet is Concealed.





Plate H-606  
(Patented)

# "HAJOCA OVAL" VITREO LAVATORY ON "GRECIAN" PEDESTAL

With wall cleats, "Hajoca" waste with "Hajoca" large overflow and china lever, and compression combination supply fixture with No. 5-C index handles with china arms,  $\frac{1}{2}$  inch supply pipes, iron pipe weight to wall, with wheel handle stops and  $1\frac{1}{2}$  inch "Hajoca" trap to wall, all nickel-plated.

Sizes, inches . . . . .	30x24	33x24
Price as described . . . . .	\$66.75	\$75.50

**PLATE H-607**—Not illustrated. Same as Plate H-606, except with Fuller combination supply fixture with Style "H" china levers in place of compression.

Same price as Plate H-606.

Combination holder for soap cup, etc., extra.

For description of our "Vitreo" lavatories and sectional illustration of the "Hajoca" waste see page 37.



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Plate H-609  
(Patented)

**"HAJOCA OVAL" VITREO LAVATORY ON FLUTED PEDESTAL**

With 4 inch curved integral back, wall cleats, "Hajoca" waste with "Hajoca" large overflow and china lever, and No. 12 Fuller basin cocks with china index tops and china levers,  $\frac{1}{2}$  inch supply pipes, iron pipe weight, to wall and  $1\frac{1}{2}$  inch "Hajoca" trap to wall, all nickel-plated.

26x22 inches as described .....\$59.25

**PLATE H-610**—Not illustrated. Same as Plate H-609, except with compression combination supply fixture with No. 5-C index handles in place of No. 12 Fuller basin cocks.

Price as described .....\$64.00

**PLATE H-611**—Not illustrated. Same as Plate H-609, except with large "Hajoca" overflow, plug and chain in place of "Hajoca" waste.

Price as described .....\$57.25

Towel rack, mirror, glass shelf and china toilet set, extra.

Owing to the location of the integral back, the above lavatory cannot be equipped with Fuller combination supply fixtures.





Plate H-612  
(Patented)

### "HAJOCA" VITREO FANCY FRONT LAVATORY

On "Dorian" pedestal, with wall cleats, "Hajoca" waste with "Hajoca" large overflow and china lever and compression combination supply fixture with No. 5C index handles with china arms and china base flanges, and "Hajoca" shampoo fixture with hose and rubber bagged sprinkler, 1/2 inch supply pipes to wall, iron pipe weight, with wheel handle stop, and 1 1/2 inch "Hajoca" trap to wall, all nickel-plated.

Sizes, inches	27x23	30x24	33x24
Price as described	\$69.50	\$76.75	\$85.50

Furnished with Fuller fixtures with style "H" china levers at the same price.

If either of the above fixtures is furnished without the "Hajoca" shampoo attachment, deduct \$8.00

If with nickel-plated in place of china base flanges, deduct \$2.00

Mirror with "Ivoroid" frame extra.

The shampoo fixture illustrated above will be found a great convenience in the home, as well as in barber shops and shampooing parlors. The sprinkler is supplied with water by turning the shampoo arm forward, and a hook holds it conveniently out of the way when not in use.





Plate H-614  
(Patented)

### "HAJOCA" VITREO FANCY FRONT LAVATORY

On round fluted pedestal, with wall cleats, "Hajoca" waste with "Hajoca" large overflow and china lever, and Fuller combination supply fixture with style "H" china levers,  $\frac{1}{2}$  inch supply pipes, iron pipe weight, and  $1\frac{1}{2}$  inch "Hajoca" trap to floor, all nickel-plated.

Sizes, inches .....	27x23	30x24	33x24
Price as described .....	\$57.75	\$65.00	\$73.75

**PLATE H-614 $\frac{1}{2}$** —(Not illustrated). "Hajoca" vitreo lavatory as above except with concealed supply inlet as shown plate H-590 in place of exposed supply nozzle.

Sizes, inches .....	27x23	30x24
Price as described, including nickel-plated "Hajoca" trap ..	\$60.25	\$67.50

Plates H-614 and H-614 $\frac{1}{2}$  may be furnished with compression combination supply fixtures and No. 5-C index handles with china arms, as shown plate H-606, in place of Fuller fixtures, at the same prices as above.

For description of the concealed supply inlet, see page 39. For sectional illustration of the "Hajoca" waste, see page 37.





Plate H-617

(Patented)

**"HAJOCA" VITREO FANCY FRONT LAVATORY**

On Vitreo legs with wall cleats, "Hajoca" waste with "Hajoca" large overflow and china lever, bone china soap cup with nickel-plated base, "Hajoca" basin cocks with No. 5-C index handles with china arms,  $\frac{1}{2}$  inch supply pipes, iron pipe weight and  $1\frac{1}{2}$  inch "Hajoca" trap to floor, all nickel-plated.

Sizes, inches	30x24	33x24
Prices as described	\$60.00	\$68.75

**PLATE H-618—(Not Illustrated).** "Hajoca" lavatory as above, but with "Hajoca" large overflow, plug, chain and chain holder in place of "Hajoca" waste.

Deduct from above prices.....\$2.00

If without soap cup, deduct.....2.00

The sanitary features of the "Hajoca" waste commend it to the most fastidious. The waste is controlled at the outlet of the basin and the water in use cannot circulate around concealed pipes which are coated with the sediment from the last user. The large overflow prevents damage to floors and ceilings from carelessness flooding of the basin. For sectional illustration and description of Vitreo lavatories see page 27.



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Plate H-621

(Patented)

### "HAJOCA" VITREO FANCY FRONT LAVATORY

On "Vitreo" center leg, with wall cleats, "Hajoca" waste with "Hajoca" large overflow and china lever, and No. 12 Fuller basin cocks with china indexes and china levers,  $\frac{1}{2}$  inch supply pipes, iron pipe weight, and  $1\frac{1}{2}$  inch "Hajoca" trap to floor, all nickel-plated.

Sizes, inches	24x20	27x23	30x24
Price as described	\$41.75	\$46.25	\$53.50

For compression combination supply fixtures as shown plate H-606, including No. 5-C index handles with china arms, add \$4.75

For Fuller combination supply fixtures, as shown plate H-614, add \$4.75

Note—Compression and Fuller combination supply fixtures cannot be fitted to the 24x20 inch size.

**PLATE H-622**—Not illustrated. "Hajoca" lavatory as above, but with "Hajoca" large overflow, plug, chain and chain holder in place of "Hajoca" waste.

Deduct from prices of Plate H-621 \$2.00





Plate H-638

**"CIRCE" VITREO LAVATORY**

With 6 inch integral back, on "Vitreo" center leg, with wall cleats, slot overflow with plug, chain and stay, No. 30 compression basin cocks with No. 3-C china index handles,  $\frac{3}{8}$  inch supply pipes, iron pipe weight, and  $1\frac{1}{4}$  inch "Bennor trap" to floor, all nickel-plated.

24x20 inches, as described.....\$35.50

If with "Modern" Pop-up waste, with china lever, add....\$3.00

If with "Electric" waste, with china index, add..... 3.75

If with enameled iron brackets in place of center leg, deduct.....\$2.75

If with concealed wall hanger, no leg or brackets, deduct 3.75

The "Circe" lavatory is well adapted for use in office buildings, hotels, etc. The integral back prevents splashing of the wall, and the center leg provides a solid substantial support.

We can also furnish this lavatory with a combination supply fixture through the back. Price on application.





Plate H-634

"CERES" VITREO LAVATORY



On No. 14 brass brackets with wall cleats, slot overflow, plug, chain, and brass soap cup, No. 10 Fuller basin cocks with unions,  $\frac{3}{8}$  inch supply pipes, iron pipe weight, to wall with wheel handle stops, and  $1\frac{1}{2}$  inch "Hajoca" trap to wall, all nickel-plated.

24x20 inches, as described....\$36.75

If with chain stay in place of soap cup, deduct.....\$2.00

Plate H-634

Plate H-642

"PALLAS" VITREO LAVATORY

With 6 inch integral back and one end for right or left hand corner, on one "Vitreo" corner leg, with wall cleats, "Modern" pop-up waste with china lever, and slot overflow, No. 12 Fuller basin cocks, with china indexes and china levers,  $\frac{1}{2}$  inch supply pipes, iron pipe weight, to wall, and  $1\frac{1}{4}$  inch "Pointer" trap to wall, all nickel-plated.

26x20 inches, as described.....\$63.25

If with plug, chain and stay in place of "Modern" waste, deduct.....\$3.00



Plate H-642

When ordering the "Pallas" lavatory always specify if for right hand corner, as shown, or for left hand corner.





Plate H-647



# "RECESS" VITREO LAVATORY

With 6 inch integral back and sides and concealed brackets, slot overflow, plug, chain and stay, No. 30 compression basin cocks, with No. 3-C china index handles,  $\frac{3}{8}$  inch supply pipes, iron pipe weight, to wall, and  $1\frac{1}{4}$  inch "Pointer" "P" trap, all nickel-plated.

26x20 inches, as described...\$58.25

Plate H-647

Plate H-648

# "HEBE" VITREO CORNER LAVATORY

With 6 inch integral backs, wall cleats, slot overflow, plug and chain, and brass soap cup. No. 10 Fuller basin cocks with unions,  $\frac{3}{8}$  inch supply pipes, iron pipe weight to wall with wheel handle stops and  $1\frac{1}{2}$  inch "Hajoca" trap to wall, all nickel-plated.

Sizes, ins.  $16\frac{1}{2} \times 16\frac{1}{2}$   $19\frac{1}{2} \times 19\frac{1}{2}$   $24 \times 24$

Output as de-

scribed...\$32.75 \$42.75 \$56.75

If with chain stay in place of soap cup, deduct...\$2.00



Plate H-648



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Plate H-652

### "MINERVA" VITREO LAVATORY

On plain square Vitreo pedestal with wall cleats, "Electric" waste with china knob, "Hajoca" basin cocks with No. 2-C china index handles, 1/2 inch offset supply pipes, iron pipe weight, and 1 1/4 inch "Bennor" trap to floor, all nickel-plated.

Sizes, inches .....	27x23	30x24	33x24
Price as described .....	\$49.25	\$56.50	\$65.25

The use of a pedestal as a support for a lavatory gives the fixture a solid and massive appearance.

The pedestals are made in several designs, as will be seen by referring to the preceding pages. These designs are interchangeable, so that all lavatories shown with pedestals can be equipped with any style of pedestal preferred.





Plate H-654

**"MINERVA" VITREO FANCY FRONT LAVATORY**

With integral back and shelf, on vitreo centre leg, with wall cleats, "Electric" waste with china index, "Hajoca" basin cocks with No. 2-C china index handles,  $\frac{1}{2}$  inch supply pipes, iron pipe weight, and  $1\frac{1}{4}$  inch "Bennor" trap to floor, all nickel-plated.

Sizes, inches . . . . .	24x22	26x22
Price as described . . . . .	\$45.00	\$52.75

The special feature of the lavatory shown above is the shelf at the back. This is a very convenient place for the soap cup, tumbler, comb and brush, etc.

All of our "Vitreo" lavatories present a very attractive appearance, and are at the same time very durable and easily kept clean.



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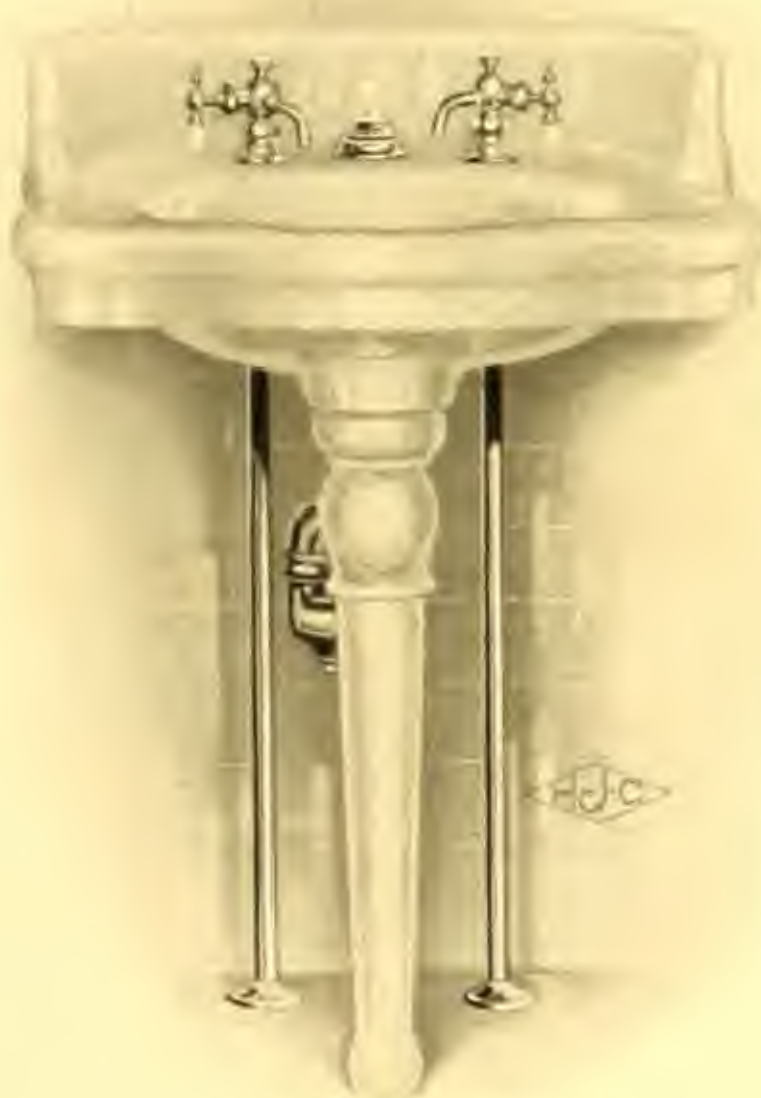


Plate H-656

### "MINERVA" VITREO FANCY FRONT LAVATORY

With 6 inch integral back on "Vitreo" centre leg, with wall cleats, "Electric" waste with china knob, No. 6 Fuller basin cocks with unions, indexes and china levers,  $\frac{3}{8}$  inch supply pipes, iron pipe weight, and  $1\frac{1}{4}$  inch "Pointer" trap to floor, all nickel-plated.

Sizes, inches . . . . .	24x20	26x22
Price as described . . . . .	\$41.00	\$46.25

If with slot overflow, plug, chain and stay, in place of "Electric" waste, deduct . . . . . \$4.75

The centre leg forms a substantial support for the lavatory—a necessary and valuable feature when installed in a public toilet room.





Plate H-663

# "MINERVA" VITREO LAVATORY

With 6 inch integral back on No. 14 brass brackets with wall cleats, slot overflow, plug, chain and stay, No. 30 basin cocks with No. 3-C china index handles,  $\frac{3}{8}$  inch supply pipes, iron pipe weight, and  $1\frac{1}{4}$  inch "Pointer" trap to floor, all nickel-plated.

24x20 inches, as described...\$34.50

PLATE H-665—Not illustrated  
Outfit as above except without integral back, and with roll rim all around.

24x20 inches, as described...\$29.00



Plate H-663

Plate H-666

# "MINERVA" VITREO FANCY FRONT LAVATORY

With 6 inch integral back on concealed wall hanger, with "Electric" waste with china knob, No. 9 Fuller basin cocks with unions, indexes and china levers,  $\frac{3}{8}$  inch supply pipes, iron pipe weight, to wall with wheel handle stops, and  $1\frac{1}{4}$  inch "Beonor" trap to wall, all nickel-plated.

20x19 inches, as described...\$32.50

The above lavatory may be fitted with "Electric" waste with china index, No. 32 compression basin cocks with No. 7-C china index handles,  $\frac{3}{8}$  inch supply pipes without shut off valves, and  $1\frac{1}{4}$  inch "Pointer" trap.

20x19 inches, as described...\$26.50



Plate H-666



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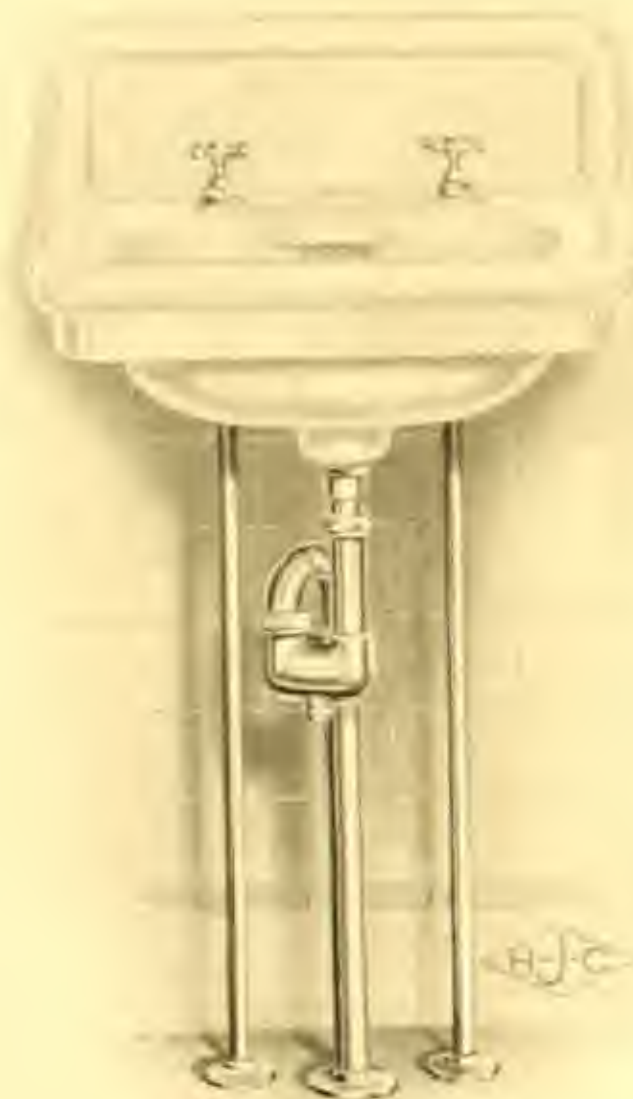


Plate H-667  
(Patent applied for)

# "ATLANTA" VITREO LAVATORY WITH CONCEALED SUPPLY

With 6 inch integral back and concealed wall hanger, slot overflow, plug and chain, and compression combination supply fixture with No. 7-C china index handles, concealed supply inlet,  $\frac{3}{8}$  inch supply pipes, iron pipe weight, and  $1\frac{1}{4}$  inch "Pointer" trap to floor, all nickel plated.

20x18 inches, as described .....\$26.75

The "Atlanta" lavatory shown above is an ideal fixture for public toilet rooms on account of its cleanliness and economy of maintenance. The supply fixture is entirely concealed, leaving only the two handles which control the valves exposed on top of the earthenware. This reduces to a minimum the amount of nickel plated work to be kept bright.

The combination supply fixture permits the mixing of the water to any desired temperature as it flows into the bowl, a feature much appreciated by those who prefer to wash in running water. While the supply is concealed, the inlet nozzle throws the stream well out towards the center of the bowl, where the hands can be conveniently rinsed or a glass filled.

The chain is attached close to the back, by means of a new device which keeps it well out of the way of the user.

We commend this fixture, here illustrated for the first time, to those who are seeking a fixture which combines with a moderate cost the features of cleanliness, attractive appearance, sanitary efficiency, durability and economy of maintenance.





Plate H-668



Plate H-663

# "ATLANTA" VITREO LAVATORY

With 6 inch integral back and concealed wall hanger, slot overflow, plug, chain and stay, No. 0 Fuller basin cocks,  $\frac{3}{8}$  inch supply pipes, iron pipe weight, and  $1\frac{1}{4}$  inch swivel "S" trap to floor, all nickel-plated.

20x18 inches, as described...\$19.25

Plate H-672

# "AUGUSTA" VITREO LAVATORY

With 6 inch integral back and concealed wall hanger, slot overflow, plug, chain and stay, No. 30 compression basin cocks, with No. 3-C china index handles,  $\frac{3}{8}$  inch supply pipes, iron pipe weight, and  $1\frac{1}{4}$  inch "Pointer" trap to floor, all nickel-plated.

20x18 inches, as described...\$20.50



Plate H-672

The very low price of the "Atlanta" and "Augusta" lavatories commends them for use in even the most moderate priced residences as well as for hotel and office use. The surface is easily kept clean and white, and presents a very attractive appearance.

We have recently furnished 119 "Augusta" lavatories for the Atlantic National Bank Building, Jacksonville, Fla., and 148 for the San Carlos Hotel, Pensacola, Fla.





Plate H-895

**"FLORENCE" ENAMELED FANCY  
FRONT LAVATORY ON  
PEDESTAL**



Plate H-895

Enameled all over, with "D" shape basin, "Electric" waste with china index, No. 12 Fuller basin cocks with china indexes and china levers, all nickel plated.

Size, inches ..... 33x24

Size of basin, inches..... 18x13

Lavatory only, no fixtures... \$39.00

Add for waste and cocks as described ..... \$11.25

Add for 1 1/4 inch "Bennor" trap and two 1/2 inch supply pipes, iron pipe weight, to floor, nickel plated ..... \$6.25

Plate H-899

**"MADELINE" ENAMELED OVAL  
LAVATORY ON PEDESTAL**

Enameled all over, with "D" shape basin, "Electric" waste with china knob, and Fuller combination supply fixture with china levers.

Sizes, inches ..... 27x18 33x22

Size of basin, inches... 15x11 18x13

Lavatory only, no fixtures ..... \$26.00 \$31.50

Add for fixtures, as described ..... \$22.50

If desired, will be furnished with compression supply fixture with No. 5-C index handles with china arms in place of Fuller at the same price.

If with fixtures as shown Plate H-895, add..... \$11.25

Add for 1 1/4 inch "Bennor" trap and two 1/2 inch supply pipes, iron pipe weight, to floor, nickel-plated ..... \$6.25



Plate H-899





Plate H-908

(Patented)

**"HAJOCA" ENAMELED ONE PIECE LAVATORY**

With enameled back and aprons and concealed wall hanger, with "Hajoca" basin with "Hajoca" waste with "Hajoca" large overflow and china lever, and compression combination supply fixture with No. 2-C china index handles,  $\frac{1}{2}$  inch supply pipes, iron pipe weight, to wall, and  $1\frac{1}{2}$  inch "Hajoca" trap to wall, all nickel-plated.

Sizes, inches . . . . .	24x20x12	27x22x12
Size of basin, inches . . . . .	15x12	16x12 $\frac{1}{2}$
Lavatory complete with fixtures, as described . . . . .	\$36.75	\$41.50

If with Fuller instead of compression combination supply fixtures, add . . . . . \$2.00

The "Hajoca" enameled iron lavatory is moderate in price and at the same time thoroughly modern and sanitary in its equipment. The "Hajoca" waste is the same as that used with our vitreo "Hajoca" lavatories (see sectional illustration, page 37) with large overflow and outlet. The user has the benefit of perfectly clean water every time the basin is filled, as there are no concealed waste pipes with which the water in the bowl may come in contact.

By means of the combination supply fixture running water of any desired temperature may be obtained from the central nozzle. The large overflow and outlet provide ample capacity for rapidly carrying off the water from the basin, and the grate and plug are removable so that all parts of the overflow are accessible for cleaning. The lavatory, back and aprons being cast all in one piece, there are no joints to collect dust or disease germs.

The "Chalfonte" Hotel, Atlantic City, is equipped throughout with "Hajoca" enameled lavatories.

Note—The "Hajoca" enameled lavatory is not sold except with fixtures complete.





## Plate H-912

**"HAJOCA" ENAMELED ONE-PIECE LAVATORY**

With enameled back and aprons and concealed wall hanger, with "Hajoca" basin and "Hajoca" waste with "Hajoca" large overflow and china lever, and "Hajoca" compression basin cocks, with No. 2-C china index handles,  $\frac{1}{2}$  inch supply pipes, iron pipe weight, to wall, and  $1\frac{1}{2}$  inch "Hajoca" trap to wall, all nickel-plated.

Sizes, inches . . . . . 24x20x12 27x22x12

Size of basin,  
inches . . . . . 15x12 16x12 $\frac{1}{2}$

Lavatory complete  
with fixtures as  
described . . . . . \$33.25 \$38.00

Plate H-912 is the same as Plate H-908, except with two separate "Hajoca" basin cocks in place of the combination supply fixture. For description see page 56.

## Plate H-914

**"HAJOCA" ENAMELED ONE-PIECE LAVATORY**

Enameled inside only, with enameled back and aprons and concealed wall hanger, with "Hajoca" basin with "Hajoca" large overflow strainer, rubber stopper and chain, "Hajoca" compression basin cocks with No. 2-C china index handles,  $\frac{1}{2}$  inch supply pipes, iron pipe weight, to wall, and  $1\frac{1}{2}$  inch "Hajoca" trap to wall, all nickel-plated.

Sizes, inches . . . . . 24x20x12 27x22x12

Size of basin,  
inches . . . . . 15x12 16x12 $\frac{1}{2}$

Lavatory complete  
with fixtures as  
described . . . . . \$30.25 \$35.00

Where a large overflow and outlet are desired, with a stopper and chain, we recommend plate H-914. The cost is moderate, while the advantages and sanitary efficiency of the large waste outlets are very great.

Note—"Hajoca" enameled lavatories are not sold except with fixtures complete



Plate H-914





Plate H-915

*(Patent applied for)***"MARION" ENAMELED ONE-PIECE LAVATORY**

With enameled back and aprons and concealed wall hanger; with "D" shape basin with patent overflow, plug and chain, "Duplex" mixing supply fixture, inlet nozzle,  $\frac{1}{2}$  inch supply pipes, iron pipe weight, to wall, with wheel handle stops, and  $1\frac{1}{4}$  inch "Benmor" trap to wall, all pickel-plated.

Sizes, inches .....	24x18x10	24x20x12	27x22x12
Size of basin, inches .....	16x11 $\frac{1}{2}$	16x11 $\frac{1}{2}$	18x12 $\frac{1}{2}$
Lavatory with fixtures as described.....	\$36.25	\$38.00	\$45.00

The attractive appearance and sanitary features of the "Marion" have made it one of our most popular styles of enameled lavatories. There is no joint between slab and back, and the concealed wall hanger does away with the use of brackets.

The "Duplex" mixing supply fixture controls both hot and cold water with a single handle. As the handle is turned, first cold, then mixed, and finally hot water is admitted through the inlet nozzle, allowing the user to wash in running water of any desired temperature.

Many of the vitreo and enameled lavatories shown in this catalog, including our "Hajoca" lavatories, can be equipped with the "Duplex" mixing supply fixture as shown above, including wheel handle stops on supplies which are always furnished in connection with it. Prices will be furnished upon application.





Plate H-916

"MARION" ENAMELED ONE-PIECE LAVATORY ON CENTER LEG



With enamel back and aprons and enameled center leg. "D" shape basin with patent overflow, plug and chain, "Knob Handle" self closing basin cocks with china indexes, 3/8 inch supply pipes iron pipe weight, to wall, and 1 1/4 inch "Pointer" trap to wall, all nickel-plated.

24x18x10 inches less plug, cocks, supply pipes and trap .....\$18.00

24x20x12 inches, ditto..... 21.25

27x22x12 inches, ditto..... 24.25

Add for plug, cocks, supply pipes and trap as described .....\$11.00

Plate H-916

Plate H-920

"MARION" ENAMELED ONE-PIECE LAVATORY

With enameled back and aprons and concealed wall hanger; with "D" shape basin with patent overflow, plug and chain, No. 30 low nozzle compression basin cocks with No. 3-C china index handles, 1/2 inch supply pipes, iron pipe weight, and 1 1/4 inch "Bennor" trap to floor, all nickel-plated.

24x18x10 inches less plug, cocks, supply pipes and trap .....\$11.25

24x20x12 inches, ditto.....\$13.00

27x22x12 inches, ditto.....\$20.00

Add for plug, cocks, supply pipes and trap as described .....\$9.50

If with "Electric" waste with china index in place of patent overflow and plug (on sizes 24x20 and 27x22 only) add \$5.00  
Same, except with "pull over" lever .....\$8.00



Plate H-920

The lavatories shown above are enameled on top, back and aprons. They can also be furnished to order enameled on the under side. Prices on application. Size of basin is same as Plate H-915.





Plate H-962

# "OPHELIA" ENAMELED ONE-PIECE CORNER LAVATORY



Plate H-962

With enameled back and aprons and concealed wall hangers, "D" shape basin with patent overflow, plug and chain, No. 30 compression basin cocks with No. 3-C china index handles,  $\frac{3}{4}$  inch supply pipes, iron pipe weight, and  $1\frac{1}{4}$  inch "Pointer" trap to floor, all nickel-plated.

18 $\frac{1}{2}$ x18 $\frac{1}{2}$ x6 inches, less plug, cocks, supply pipes and trap .....\$10.25  
19x19x8 inches, ditto..... 11.25  
20x20x10 inches, ditto..... 13.50

Add for plug, cocks, supply pipes and trap as described .....\$7.75

If with "Electric" waste with china index in place of patent overflow and plug, add....\$5.00

Plate H-968

# "PRISCILLA" ENAMELED ONE-PIECE LAVATORY

With enameled back and aprons and concealed wall hanger, "D" shape basin with patent overflow, plug and chain, No. 30 Fuller basin cocks with unions, indexes, and china levers,  $\frac{3}{4}$  inch supply pipes, iron pipe weight with wheel handle stops and  $1\frac{1}{4}$  inch "Bennor" trap to floor, all nickel-plated.

Sizes, inches.....21x18x8 24x19x10

Size of basin,

inches.....14 $\frac{1}{2}$ x10 $\frac{1}{4}$  15x12

Lavatory, less plug,

cocks, supply

pipes and trap... \$9.00 \$14.00

Add for plug, cocks, supply

pipes and trap as de-

scribed .....\$13.00

Nickel-plated soap cup as shown is furnished with 2 $\frac{1}{2}$ x1 $\frac{1}{2}$  inch size only.

The lavatories shown above are enameled on top, back and aprons. They can also be furnished to order enamelled on the under side. Prices on application.



Plate H-968



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Plate H-980

### "ETHEL" ENAMELED ONE-PIECE CORNER LAVATORY



With enameled back and concealed wall hangers with "D" shape basin, patent overflow plug and chain, No. 0 Fuller basin cocks, 3/8 inch supply pipes, iron pipe weight to wall with wheel handle stops and 1 1/4 inch "Pointer" trap to wall, all nickel-plated.

18 1/2 x 18 1/2 x 6 inches, less plug, cocks, supply pipes and trap ..... \$ 8.50

19x19x8 inches, ditto..... 9.00

20x20x10 inches, ditto..... 11.50

Add for plug, cocks, supply pipes and trap as described ..... \$9.00

If with "Electric" waste with china index in place of patent overflow and plug (on sizes 19x19x8 and 20x20x10 inches only) add ..... \$5.00

Plate H-980

Plate H-986

### "ELINOR" ENAMELED ONE- PIECE LAVATORY

With enameled back and concealed wall hanger, with "D" shape basin with patent overflow, plug and chain, No. 30 "X" handle, compression basin cocks, 3/8 inch supply pipes, iron pipe weight to wall, and 1 1/4 inch offset trap to wall, all nickel-plated.

Sizes, inches .... 21x18x8 24x19x10

Size of basin,  
inches ..... 14 1/2 x 10 1/2 14 1/2 x 11 1/2

Lavatory, less  
plug, cocks,  
supply pipes  
and trap .... \$7.25 \$11.00

Add for plug, cocks, supply  
pipes and trap as de-  
scribed ..... \$7.00



Plate H-986

Nickel-plated soap cup is furnished with 21x18 inch size only. The lavatories shown above are enameled on top and back. They can also be furnished to order enameled on the under side. Prices on application.





Plate H-990

# "AGNES" ENAMELED ONE-PIECE CORNER LAVATORY

With enameled back, concealed wall hangers and soap cup, 14x11 inch oval basin, with patent overflow, plug and chain, No. 0 Fuller basin cocks,  $\frac{3}{8}$  inch supply pipes, iron pipe weight, and 1 $\frac{1}{4}$  inch "Pointer" trap to floor, all nickel-plated.

Size, inches .....16 $\frac{1}{2}$ x16 $\frac{1}{2}$ x6

Lavatory, less plug,	
cocks, supply pipes	
and trap .....	\$6.50
Add for plug, cocks, supply	
pipes and trap as de-	
scribed .....	\$7.50



Plate H-990

Plate H-992

# "ARIADNE" ENAMELED ONE-PIECE LAVATORY

With enameled back, concealed wall hanger and soap cup, 14x11 inch oval basin with patent overflow, plug and chain, No. 32 compression basin cocks with No. 7-C china index handles,  $\frac{3}{8}$  inch supply pipes, iron pipe weight, and 1 $\frac{1}{4}$  inch swivel "S" trap to floor, all nickel-plated.

Size, inches .....19x16x6

Lavatory, less plug, cocks,	
supply pipes and trap.....	\$5.75
Add for plug, cocks, supply	
pipes and trap as de-	
scribed .....	\$6.50

The lavatories shown above are enameled on top and back. They can also be furnished to order enameled on the under side. Prices on application.



Plate H-992



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Plate H-1002



### "LUCRETIA" ENAMELED ONE-PIECE LAVATORY

With enameled back and concealed wall hanger, 15x11 inch "D" shape basin, with patent overflow, plug and chain, No. 0 Fuller basin cocks with unions, indexes and brass levers,  $\frac{3}{8}$  inch supply pipes, iron pipe weight, and  $1\frac{1}{4}$  inch "Pointer" trap to floor, all nickel-plated.

Size, inches .....24x18x10

Lavatory, less plug, cocks, supply pipes and trap.... \$11.00

Add for plug, cocks, supply pipes and trap as described .....\$9.00

Plate H-1002

Plate H-1004

### "VIOLA" ENAMELED ONE-PIECE LAVATORY

With enameled back and concealed wall hanger, with 20x13 inch "D" shape basin and "Electric" waste, "Hajoca" compression basin cocks with No. 2-C china index handles,  $\frac{1}{2}$  inch supply pipes, iron pipe weight, with wheel handle stops and  $1\frac{1}{4}$  inch "Hajoca" trap to floor, all nickel-plated.

Size, inches .....27x22x12

Lavatory, less waste, cocks, supply pipes and trap.... \$13.50

Add for waste, cocks, supply pipes and trap as described .....\$19.25

Attention is called to the unusually large size of the bowl in the "Viola" lavatory.

The lavatories shown and described above are enameled on top and back. They can also be furnished to order enameled on the under side. Prices on application.



Plate H-1004





Plate H-1032

### "DORA" ENAMELED ONE-PIECE CORNER LAVATORY

With enameled backs and concealed wall hangers, 11 inch round basin with patent overflow, plug and chain, No. 32 "X" handle compression basin cocks,  $\frac{3}{8}$  inch supply pipes, iron pipe weight, to wall, and  $1\frac{1}{4}$  inch swivel pattern "P" trap, all nickel-plated.

Size, inches ..... 16x16x5

Lavatory, less plug, cocks,

supply pipes and trap... \$4.75

Add for plug, cocks, supply  
pipes and trap as de-  
scribed ..... \$6.00



Plate H-1032

Plate H-1034

### "LENA" ENAMELED ONE-PIECE LAVATORY

With enameled back and concealed wall hanger, 11 inch round basin with patent overflow, plug and chain, No. 0 "X" handle compression basin cocks,  $\frac{3}{8}$  inch supply pipes, iron pipe weight, to wall, and  $1\frac{1}{4}$  inch swivel pattern "P" trap, all nickel-plated.

Size, inches ..... 14x16x5

Lavatory, less plug, cocks,

supply pipes and trap... \$5.25

Add for plug, cocks, supply  
pipes and trap as de-  
scribed ..... \$6.00



Plate H 1034

The lavatories shown above are enameled on top and back. They can also be furnished in order enameled on the under side. Prices on application.



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Plate H-1080

### "ELIZABETH" ENAMELED SECTIONAL LAVATORY

With separate enameled backs, brackets, brass union strips and soap cups, oval basins with patent overflow, plug and chain, "V" handle self-closing basin cocks,  $\frac{3}{4}$  inch supply pipes, iron pipe weight, to wall, and  $1\frac{1}{2}$  inch continuous waste and vented "S" trap, all nickel-plated.

Size of each section, inches.....	20x16x12	24x18x12
Size of basin, inches .....	14x11	15x12
Four section lavatory, less plugs, cocks, supply pipes, continuous waste and trap .....	\$47.00	\$56.40
Each additional section .....	11.75	14.10

Add for plugs, cocks, supply pipes, continuous waste and trap  
as described, for four section lavatory.....\$42.50

Ditto for each additional section..... 9.50

The lavatory shown above is enameled on top and back. It can also be furnished to order enameled on the under side. Prices on application.

We can furnish several varieties of enameled sectional lavatories, including those with aprons or with end pieces for corner. Particulars will be furnished on request.





Plate H-1100

"PONCE" PEDESTAL VITREO  
DRINKING FOUNTAIN



Plate H-1100

With nickel-plated bubbling cup and brass supply and waste fittings through pedestal to floor.

DIMENSIONS—Height, 30 inches; diameter of base, 15 inches; diameter of top, 10½ inches.

Price as described . . . . . \$32.50

If with vitreous porcelain bubbling cup in place of nickel-plated, deduct . . . . . \$1.00

If with "Pusho" self-closing fountain nozzle, as shown Plate H-1103 in place of nickel-plated bubbling cup, add \$1.00

Note—A stop should always be placed on the supply pipe, to control the volume of the flow.

On the opposite page will be found a statement of some of the reasons for using a drinking fountain of the bubbling cup or jet type in preference to the public drinking cup or glass. The "Ponce" fountain shown above is made with its pedestal complete in one piece of vitreo earthenware, presenting a pure white surface which is attractive in appearance and easily kept clean.

The bubbling cup shown is made of nickel-plated brass, or may be of vitreo china if preferred. The water enters this cup in a small stream, pure and clear as from a spring, and with sufficient force to form a small mound before overflowing the sides of the cup into the surrounding basin.

The user drinks running water from the top of the mound, without touching the cup, and so avoids all danger of contagion.

When the water supply is limited, the flow may be controlled by a pedal valve (as shown Plate H-1112); or the "Pusho" self-closing fountain nozzle as shown and described on page 68 may be used.





Plate H-1101

**"PONCE" WALL VITREO DRINKING FOUNTAIN**

With wall supports, nickel-plated bubbling cup, brass supply pipe with stop and trap to wall, all nickel-plated.

**DIMENSIONS**—Diameter of bowl,  $10\frac{1}{2}$  inches; wall to front of bowl, 12 inches.

Price as described .....\$23.25

If with Vitreo porcelain bubbling cup in place of nickel plated, deduct .....\$1.00

If with "Pusho" self-closing fountain nozzle in place of nickel-plated bubbling cup, add .....\$1.00

The "Ponce" wall fountain is like Plate H-1100, except that it is arranged to attach to the wall. This saves floor space and also permits the fountain to be set at any height so that it can be adjusted for use by small children if desired.

The use of the common, public drinking cup or glass in schools, railway stations and all public places is fast being recognized as unsanitary and dangerous, a fertile source for spreading diphtheria, tuberculosis and other contagious diseases.

A drinking-glass, used in a school for nine days, was recently put under a microscope, and here is what was found:

"The human cells scraped from the lips of the drinkers were so numerous on the upper third of the glass that the head of a pin could not be placed anywhere without touching several of these bits of skin. The saliva, by running down on the inside of the glass, had carried cells and bacteria to the bottom. By counting the cells present on fifty different areas on the glass, as seen under the microscope, it was estimated that the cup contained over 20,000 human cells or bits of dead skin. As many as 150 germs were seen clinging to a single cell, and very few cells showed less than 10 germs. Between the cells were thousands of germs left there by the smears of saliva deposited by the drinkers. Not less than one hundred thousand bacteria were present on every square inch of the glass."

By the use of our "Ponce" and "Hygienic" fountains, all danger of such contagion is rendered impossible.





Plate H-1103

### "HYGIENIC" VITREO DRINKING FOUNTAIN

On bronzed iron pedestal with "Pusho" self-closing fountain nozzle and brass supply and waste fittings to floor and lock key stop, all nickel-plated.

DIMENSIONS:—Height, 30 inches; can be furnished also in other heights to order; diameter of bowl, 13½ inches.

Price as described .....\$25.75

The "Pusho" self-closing fountain nozzle shown above is operated by pushing down the ring surrounding the nozzle. This allows the water to flow in a small jet, from the top of which the user drinks. On releasing the ring, the flow ceases. In this way, unnecessary waste of water is prevented.

It will be noted from the illustration that both hands are required to operate the fountain. In this way the squirting of the water by mischievous boys is prevented.

For the advantages of the "Hygienic" over the common drinking cup see page 67.



HAINES, JONES



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Plate H-1104

### "HYGIENIC" VITREO DRINKING FOUNTAIN

On bronzed iron pedestal, with "Knob-Handle" self-closing controlling valve, and brass jet, supply and waste fittings to floor, and lock key stop, all nickel-plated.

DIMENSIONS—Height, 30 inches; can be furnished also in other heights to order; diameter of bowl, 13½ inches.

Price as described .....\$28.75

The "Hygienic" drinking fountain with self-closing controlling valve is recommended for use where the water supply is limited, or where it is desired to cool the water by conducting the supply pipe through an ice box. The water flows only when the "Knob-Handle" valve is held open as shown in the illustration.

The sanitary features of the "Hygienic" drinking fountain commend it for use in schools, railway stations and public buildings. The water supply, regulated by a lock key stop, issues as a miniature fountain from the top of the brass jet pipe, and flows into the bowl. The user drinks from the top of the spray, so that the mouth is not brought in contact with any of the metal parts, but only with the running stream. Thus, by the use of the "Hygienic" fixture, the danger of spreading contagious diseases by contact with drinking cups or other metal parts is entirely eliminated.

We have sold a very large number of our "Hygienic" fountains, and they have given universal satisfaction.





Plate H-1105

### "HYGIENIC" VITREO DRINKING FOUNTAIN

On bronzed iron pedestal with brass jet, supply and waste fittings to floor, and lock key stop, all nickel-plated.

DIMENSIONS—Height, 30 inches; diameter of bowl, 12½ inches.

Price as described.....\$25.75

This fountain is the same as Plate H-1104, except that the flow is continuous instead of being controlled by the "Knob-Handle" self-closing valve.



Plate H-1105

Plate H-1108

### "HYGIENIC" REGAL PORCELAIN DRINKING FOUNTAIN

For wall, with back in one piece, brass brackets, brass jet and waste fittings, lock key stop with supply pipe to wall, and 1½ inch "Polster" "P" trap, all nickel-plated.

DIMENSIONS—Width, 18 inches; front to back, 14 inches; height, 15 inches.

	Class A	Class B
Price as described	\$26.75	\$23.50

This fixture is similar in operation to Plate H-1105. Being attached to the wall, the height can be adjusted to suit small children if desired.



Plate H 1108



HAINES, JONES



& CADBURY CO.



Plate H-1112

Plate H-1112

"DE SOTO" PEDESTAL ENAM-  
ELED IRON DRINKING  
FOUNTAIN

With nickel-plated bubbling cup,  
concealed galvanized supply and  
waste pipe and pedal valve supply.

Height, inches . . . . .	30	36
Price as described, pedestal enameled all over . . . . .	\$43.00	\$45.00

Same, enameled in- side bowl only, with painted pedestal . . . .	38.00	40.00
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If without the pedal valve sup-  
ply, deduct . . . . . \$20.00

If without pedal supply and  
with nickel-plated self-closing  
push ring bubbling cup, de-  
duct . . . . . \$13.50

By the use of the "De Soto" enameled pedes-  
tal drinking fountain all danger of contamination  
from the drinking cup is removed. (Compare  
page 67.) The lips do not touch the bubbling cup,  
but drink from the water which overflows from its  
top—the excess being immediately carried off into  
the waste pipe with whatever disease or danger  
elements may have been given to it.

The pedal valve prevents waste of water, and its  
use is advised where the water supply is limited.  
It is operated by a light pressure of the foot,  
which at once starts the flow of water.



Sectional View of  
Bubbling Cup.





Plate H-1115

## REGAL PORCELAIN RECESS DRINKING FOUNTAIN

To tile into recess, with self-closing faucet and brass outlet strainer and coupling, all nickel-plated.

DIMENSIONS—Height over all, 24 inches; width along wall, 16 $\frac{1}{2}$  inches; front to back over all, 12 inches; face of wall to front, 4 $\frac{1}{2}$  inches; depth of basin, 3 inches.

	Class A	Class B
Price as described.....	\$26.00	\$20.50

Plate H-1115 $\frac{1}{2}$ —(Not illustrated). Regal porcelain "Recess" double drinking fountain as above, with two self-closing faucets.

DIMENSIONS—Height over all, 20 $\frac{1}{2}$  inches; width along wall, 34 inches; front to back over all, 13 $\frac{1}{2}$  inches; face of wall to front, 5 $\frac{1}{2}$  inches; depth of basin, 3 inches.

	Class A	Class B
Price as described.....	\$49.00	\$38.25

These fountains require but little space; only a small lip projects into the room, and the remainder is recessed into the wall. They are well adapted for use in the entrance hall to a public building, or in department stores, railway stations, etc.





Plate H-1118

**VITREO FLAT BACK DRINKING FOUNTAIN**

With integral trap and brass outlet thimble, wall screws, nickel-plated strainer, and nickel-plated "Knob-Handle" self-closing flanged bibb.

DIMENSIONS—Width, 12 inches; front to back, 8 inches; height, 20 inches.

Price as described .....\$19.25

Plate H-1120—(Not illustrated). Vitreo Alcove drinking fountain similar to above, except to set in recess in wall.

DIMENSIONS—Width, 12 inches; face of wall to front, 2 inches; height, 15 inches.

Price as described .....\$19.50



Plate H-1118

Plate H-1122

**ENAMELED ALCOVE DRINKING FOUNTAIN**

Enameled all over, with flanged self-closing bibb, strainer and waste connection to wall, nickel-plated.

DIMENSIONS—Width, 12 $\frac{3}{4}$  inches; front to back, 10 $\frac{1}{2}$  inches; recess in wall, 3 $\frac{1}{2}$  inches; face of wall to front, 7 inches; height, 22 inches.

Price as described .....\$16.00

Plate H-1123—(Not illustrated). Enameled drinking fountain as above, except flat back, to set on face of wall, with concealed wall hanger.

DIMENSIONS—Width, 12 $\frac{1}{2}$  inches; front to back, 9 inches; height, 22 inches.

Price as described .....\$13.25



Plate H-1122



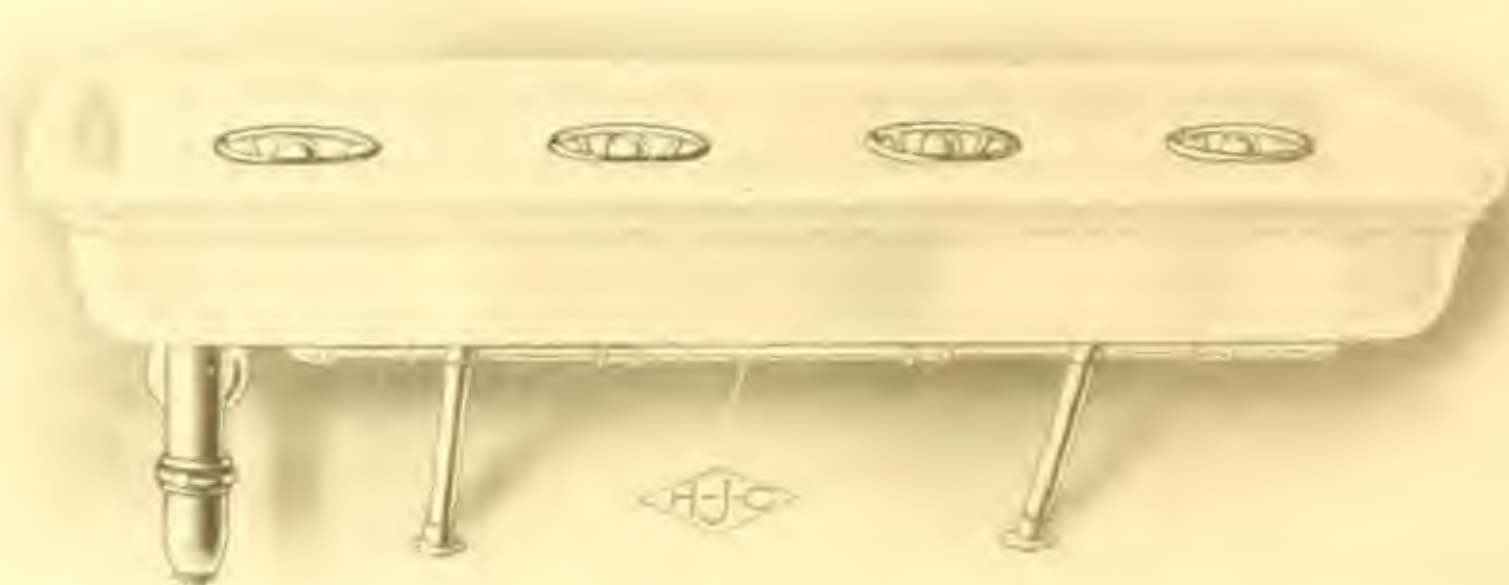


Plate H-1132

**"HYDRA" REGAL PORCELAIN DRINKING FOUNTAIN**

Supported on two brass brackets, with "Pusho" self-closing fountain nozzles,  $\frac{3}{8}$  inch continuous supply pipe, iron pipe weight, to wall, with loose key stop, outlet strainer and  $1\frac{1}{2}$  inch brass "P" trap to wall, all nickelplated.

**DIMENSIONS**—Length over all, 54 inches; front to back,  $17\frac{1}{2}$  inches; depth inside, 5 inches.

	With 4 "Pusho" nozzles as shown,	With 3 "Pusho" nozzles,
Price as described, Class A.....	\$90.00	\$83.00
Price as described, Class B.....	76.50	69.50

The "Hydra" drinking fountain is particularly adapted for use in schools and similar places where a number of persons are to be accommodated at the same time, and requires but a single supply and waste connection. Being attached to the wall, it can be adjusted to any height desired. The white Regal porcelain of which the receiver is made presents an attractive appearance and is easily kept clean.

The "Pusho" self-closing nozzles are the same as that described on page 68. If a continuous flow is desired we can furnish bubbling cups as shown on page 66, at \$2.00 per cup extra.



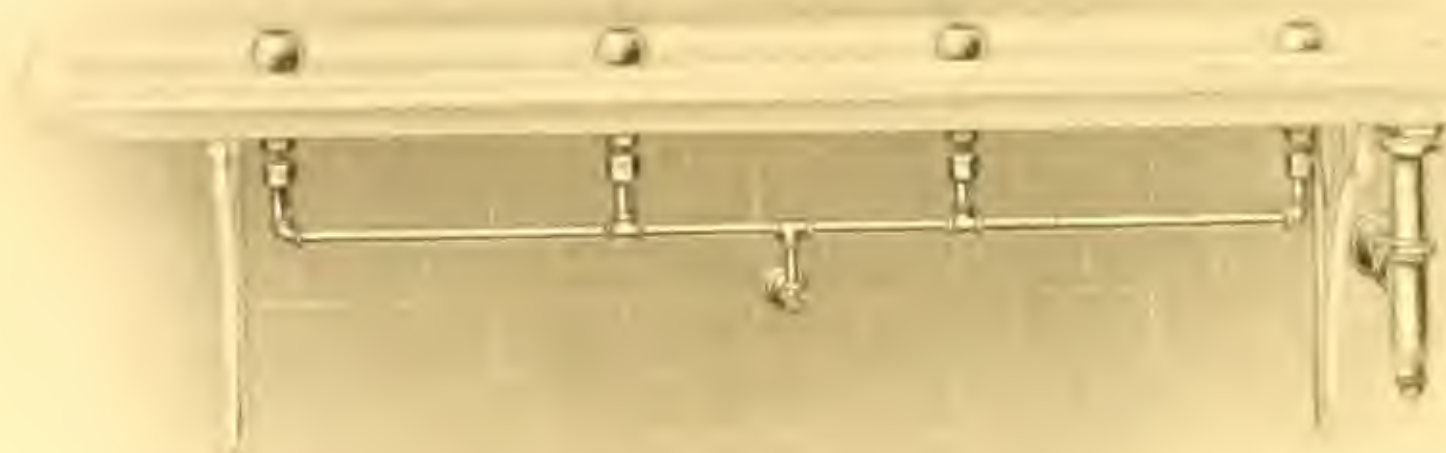


Plate H-1134

**"DELTA" ENAMELED IRON DRINKING TROUGH**

Enameled inside, on painted iron brackets, with brass bubbling cups with coupling for iron pipe, outlet strainer and coupling, and  $1\frac{1}{2}$  inch brass "P" trap to wall, all nickel-plated.

DIMENSIONS—Length, see below; width, 12 inches; depth inside,  $2\frac{1}{8}$  inches.

Price as described, (continuous supply pipe and stop extra).

30 inches long, with 2 bubbling cups	\$22.25
42 " " " 3 " "	28.25
54 " " " 4 " "	34.25

If with nickel-plated self-closing push ring bubbling cup in place of continuous flow bubbling cup as shown, add per cup . . . . . \$5.75

The "Delta" fountain presents many of the same advantages as the "Hydra" shown on the opposite page but the receiver is of enameled iron and the fixture is more moderate in price.

The great risk of transferring contagious diseases by means of the ordinary public drinking cup or glass is being more fully recognized of late years, so much so that the general public is rapidly awaking to the real danger, and some state legislatures have even passed laws on the subject.

Our fountains with jet or bubbling cup, as shown above and on pages 66 to 71, will at once appeal to the sanitarian, as a satisfactory solution of this important problem, especially for schools, railway stations, public buildings, etc.





Plate H-1167  
SOAP CUP

Nickel-plated, for roll rim tub, \$1.00



Plate H-1170  
SOAP CUP

Nickel-plated, for roll rim tub, \$1.35



Plate H-1174  
SOAP AND SPONGE HOLDER  
Nickel-plated, for roll rim tub, \$3.35



Plate H-1178  
SPONGE HOLDER

Nickel-plated, for wall, \$1.25

Plates H-1170 and H-1174 are adjustable to suit any size and shape of bath tub rim.



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Plate H-1232

TOILET PAPER HOLDER

Nickel-plated for roll.....\$0.90



Plate H-1233

TOILET PAPER HOLDER

Nickel-plated for roll.....\$2.50

The roller cannot be taken out of Plate H-1233 until all the paper has been used. This prevents theft or waste of rolls, and commends the fixture for use in public toilet rooms. We have furnished a large number of holders of this style for United States Government work.



Plate H-1239

TOILET PAPER  
HOLDER

Nickel-plated, to recess into wall, for sheets ..... \$7.00

This fixture is especially adapted for tile bath rooms in private residences and in the better class of hotels and apartment houses. When closed, the toilet paper is entirely concealed from view.

Plate H-1239





Plate H-1256

ROBE HOOK, nickel-plated, \$0.25



Plate H-1258

ROBE HOOK, nickel-plated, \$0.45



Plate H-1280

## NICKEL-PLATED TOWEL BAR

Length, inches	18	24	30	36	42	48	54	60
$\frac{3}{4}$ inch bar, each	\$1.20	\$1.45	\$1.75	\$2.10	\$2.50	\$2.95	\$3.35	\$3.85

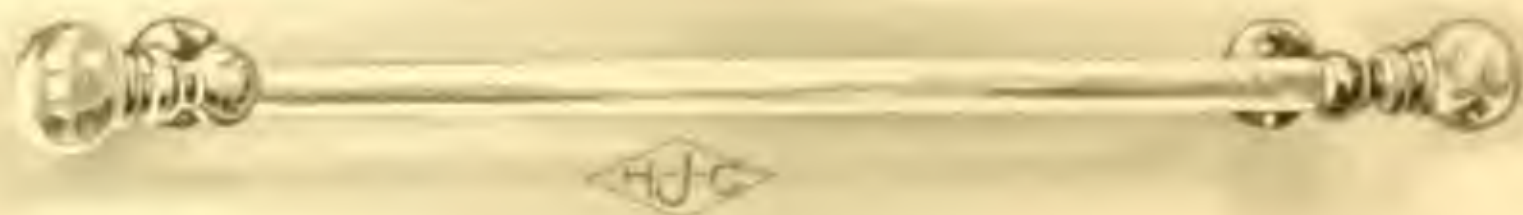


Plate H-1286

## GLASS TOWEL BAR WITH GLASS BALL ENDS

Length, inches, between centres of nickel-

plated posts	18	24	30	36
1 inch bar, each	\$3.80	\$4.30	\$5.25	\$6.25
Same, but without ball ends, each	2.40	2.85	3.80	4.75

Our glass towel bars are furnished in either clear or white opal glass. When ordering, specify which style is desired.



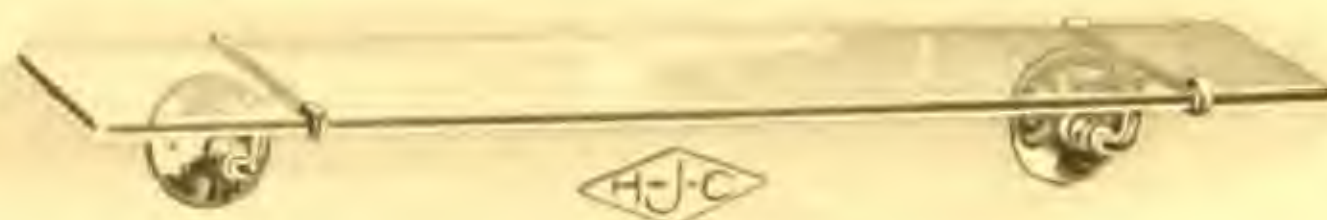


Plate H-1310  
GLASS SHELF

$\frac{3}{8}$  inch thick, with nickel-plated brackets.

	Clear Glass.	White Opal Glass.
5x24 inches, each .....	\$3.65	\$4.50
5x30 inches, each .....	4.00	4.95
6x24 inches, each .....	3.85	5.40
6x30 inches, each .....	4.25	6.30

We can furnish the clear glass shelves only, in special lengths to order.

Plate H-1328  
RUBBER BATH MAT

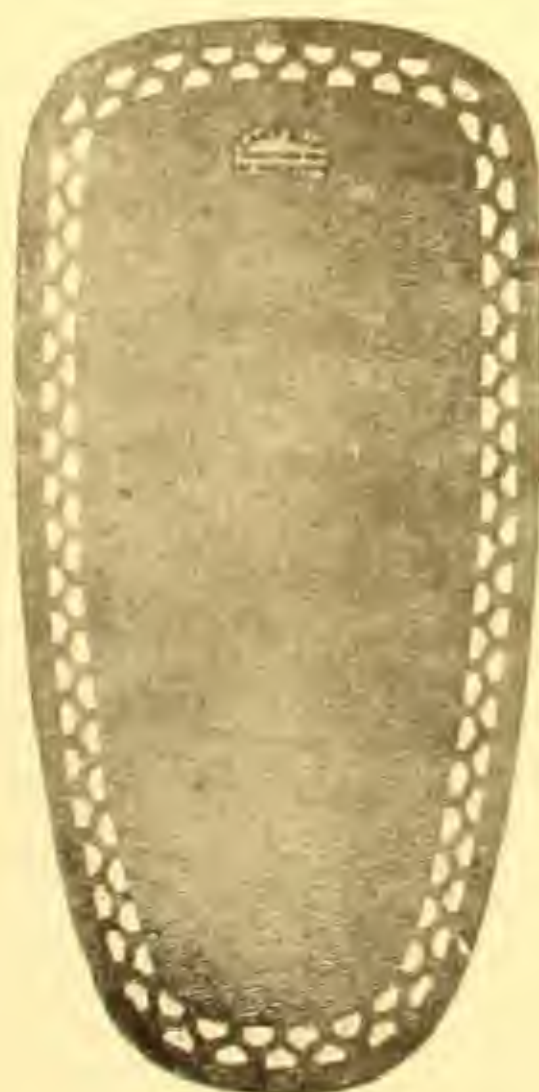


Plate H-1328

27x14 inches, each.....	\$1.50
33x14 inches, each.....	2.00
36x15 inches, each.....	2.50
42x15 inches, each.....	2.75



Plate H-1330

BATH SPRAY

With nickel-plated rubber bound sprinkler, rubber tube and bulb.

With 3-inch sprinkler, each....\$2.00

With 3 $\frac{3}{4}$ -inch sprinkler, each.. 2.50





Plate H-1345

## BATH TUB SEAT

With nickel-plated rubber bound hangers.

"Ivoroid," each	\$5.25
"Oak," each	1.80

These seats are very convenient when a foot bath is desired. They are also much appreciated by invalids.

Plate H-1346

## BATH ROOM STOOL

"Ivoroid," with rubber tips, each	\$9.00
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This stool may be used in the bath if desired, as the "Ivoroid" finish is non-absorbent.

"Ivoroid" is a very handsome and durable pure white finish with a high gloss. It is a non-conductor, and will not discolor.



Plate H-1346





Plate H-1350

### "IVOROID" MEDICINE CABINET

With plate glass shelves, nickel-plated knob, and beveled plate glass mirror in front.

	To set on face of wall.	To recess into wall.
No. 1—20½x14¾x4 inches inside, 2 shelves, each.....	\$27.50	\$29.25
No. 2—26x18x5 inches inside, 3 shelves, each.....	31.75	33.50
No. 3—30x20x4 inches inside, 3 shelves, each.....	33.50	37.50

Plate H-1352. (Not illustrated). "Ivoroid" Cabinet for corner.  
24x18 inches, with 2 shelves, each .....\$31.75

Plate H-1359

### TOILET SET BOTTLES

4 ounce, each .....	\$0.60
8 ounce, each .....	.70

Furnished with the following labels:

**Small Mouth for Liquids:** Alcohol, Ammonia, Bay Rum, Camphor, Cologne, Glycerine, Hair Tonic, Listerine, Toilet Water, Tooth Wash, Violet Ammonia, Witch Hazel, Aromatic Spirits Ammonia, Hand Lotion, Glycerine and Rose Water.

**Large Mouth for Powders:** Bicarb. Soda, Borax, Tooth Powder, Rochelle Salt, Boracic Acid.



Plate H-1359





Plate H-1360

## OVAL BEVELED PLATE GLASS MIRROR

With  $1\frac{1}{4}$  inch "Ivoroid" frame.

24x16 inches, each	\$15.50
30x18 inches, each	19.75

Plate H-1361—Same as above, but with white enameled wood frame.

18x12 inches, each	\$4.50
20x14 inches, each	5.75
24x16 inches, each	7.25

Plate H-1364—(Not illustrated). Square beveled plate glass mirror with  $1\frac{1}{4}$  inch "Ivoroid" frame, similar to Plate H-1360.

24x16 inches, each	\$14.50
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Plate H-1365—(Not illustrated). Square beveled plate glass mirror with white enameled wood frame.

20x14 inches, each	\$5.75
24x16 inches	7.25

Sizes given are for glass only.

Mirrors of any of the above styles can be furnished in other standard sizes to order. They can also be furnished with nickel-plated brass frames. Prices furnished on request.





Plate H-1366

## FANCY DESIGN BEVELED PLATE GLASS MIRROR

With 1 1/4 inch "Ivoroid" frame.

Glass 26x20 inches, each .....\$19.00

The fancy design mirror shown above presents a most attractive appearance. The edge of the glass is beveled, and the frame is of pure white "Ivoroid."

This pattern is particularly adapted for use with our fancy front vitreo and enameled iron lavatories, as shown on pages 38 to 45, 49 to 52, and 55.

"Ivoroid" is a very handsome and durable covering for mirror frames, medicine cabinets, bath seats and stools, water closet seats and tanks, etc. It may be repeatedly washed with soap and water without deteriorating or losing its luster. This gives it a decided advantage over paint or varnish, and makes it a specially desirable finish for the bath room, where constant cleaning of the woodwork is so essential.

"Ivoroid" will not chip or discolor with age, nor become soiled at the edges and corners, but retains indefinitely its whiteness and its rich soft polish.





FANCY HANDLES



No. 2-C, per pair.....\$2.00

Furnished with "Hagoca" bath and basin cocks and lavatory supply fixtures.



No. 3-C, per pair.....\$1.50

Furnished with No. 3 bath cock, and Nos. 3 and 50 basin cocks.



No. 4-C, per pair.....\$2.00

Furnished with "Haines" bath and basin cocks, and with lavatory or bath supply fixtures.



No. 5-C, per pair.....\$4.00

Furnished with "Hagoca" bath and basin cocks, and with lavatory or bath supply fixtures.



No. 7-C, per pair.....\$2.00

No. 8-C, per pair.....2.00

No. 7-C are used with bath and basin cocks, also with showers and basin supply fixtures.

No. 8-C are used with bath supply fixtures.



No. 11-C, per pair.....\$5.00

No. 12-C, per pair.....5.00

No. 11-C are used with basin supply fixtures, and No. 12-C with bath supply fixtures.

When any of the above handles are substituted for plain "cross" handles, deduct \$1.00 per pair from the above prices for "cross" handles not furnished.





Plate H-1396

**"HAJOCA" FLUSHING CUSPIDOR.**

*(Patent applied for)*

With outlet to floor, floor flange and bolts, inlet pipe to wall and flange, and push button flushing valve with wall flange; all exposed trimmings nickel-plated.

Price as described (connecting pipe from valve to inlet of cuspidor extra) .....\$25.00

**Plate H-1397** (Not illustrated). "Hajoca" flushing cuspidor similar to Plate H-1396, but arranged to attach to wall.

As described (connecting pipe from valve to inlet of cuspidor extra) .....\$27.00

The "Hajoca" Flushing Cuspidor is clean, sanitary and attractive in appearance. In replacing the ordinary cuspidor, it eliminates one of the filthiest, most unsightly and most unhealthy articles now in common use.

The body of fresh water which it contains, dissolves the sputum and keeps it in a liquid state until flushed into the drain. The bowl is flushed at frequent intervals, not merely once a day or less.

The cuspidor may be operated by a push button as shown, or by an automatic tank. Those arranged for the wall may be set at any desired height.

This fixture is recommended for use not only in hospitals, dentists' offices, etc., but also in hotel corridors, clubs, public buildings, etc.





Plate H-1404

**"VITREO" PEDESTAL FLUSHING-RIM BIDET**

With integral vitreo seat, combination supply fixture to jet and to flushing rim, with No. 7-C china index handles,  $\frac{3}{8}$  inch supply pipes, iron pipe weight, to floor, and "Electric" waste with china index and waste pipe to floor, all nickel-plated. (No trap).

As described ..... \$48.00

If with supply to jet and waste pipe to floor only, without  
"Electric" waste or supply to flushing rim ..... \$34.00

A modern bidet adds much to the comfort, healthfulness and convenience of the well-appointed bath room. The seat is of "Vitreo" porcelain, doing away with all woodwork. The flushing rim cleanses the bowl, and by running warm water through it the chill may be taken off of the seat.



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Plate H 1429

(Patented)

### "EQUALITY" BIDET ATTACHMENT FOR WATER CLOSET

Nickel-plated, with china lever, and adjustable delivery tube operated by china handle.

Price as described, with nickel-plated dial, not including water closet .....	\$25.00
Same, with china dial .....	26.50

The fixture shown is compact and convenient, the delivery tube being turned back out of the way, as shown in the illustration, when not in use. The non-scalding feature of the "Equality" mixing valve, together with the quickness of adjustment to suit any desired temperature, make it a particularly desirable fixture when applied to the Bidet. The valve is arranged so that water will flow through the tube only when it is turned down into position.

The "Equality" Bidet can be furnished to suit any of the closets shown in this catalog. When furnished with closets having "Purita" rim, a seat flat on the underside must always be used in order that the tube can be properly adjusted.

When ordering always specify the style of closet with which it is to be used.





## H. J. &amp; C. WATER CLOSET COMBINATIONS.

On the following pages will be found a very extensive line of water closet combinations suited to almost every requirement of public and private use, and varying in price according to the style of the closet bowl and the grade of the woodwork and fittings.

Special attention is called to the many new designs not heretofore illustrated, which mark some very definite advances in this important branch of sanitary science.

Our fixtures are made with the greatest care as to all details. They are stamped with our trade mark for identification, and even the most moderate in price carry our guarantee. The steady increase of our sales until they have reached an enormous volume, evidences the satisfactory service which these combinations are giving.



Plate H-1415

## "REGAL" PORCELAIN CLOSET FLOOR SLAB

Sizes, inches	12x21	12x27
Center of hole to wall, inches	11½	14
Class A, each	\$4.00	\$4.50
Class B, each	2.80	3.15

The glazed white surface of our "Regal" floor slab makes a firm and non-absorbent support for the water closet bowl. It will not stain, is easily kept clean, and adds to the appearance of the fixture.





Plate H-1420

(Patented)

**"HAJOCA" VITREO SYPHON JET CLOSET**

With drain screw, "Regulo" floor plate and bolts, No. 400 Natural or Golden Quartered Oak seat (no cover), and nickel-plated "Royal" flushing valve, with 1 inch lock key shut off valve, coupling nut and wall flange.

As described .....\$40.25

For cover on seat add.....\$1.75

**Plate H-1421** (Not illustrated). "Enduro" closet as above, except with No. 300 seat, no cover.....\$37.00

For cover on seat add.....\$1.25

If without shut off valve, deduct..... 3.00

If with "Gastight" sanitary floor plate (see page 129) add 3.00

The "Royal" flushing valve is a self-regulating measuring valve, which delivers a uniform volume of water under varying pressures. It saves waste of water, as the valve cannot be held open by the user, but closes automatically, even if the handle is not released. It can be furnished if preferred, with a push button or lever handle at the same price. It is also made to be concealed in the wall, or to be operated automatically by the seat, at a small additional cost. Prices on application.

To secure the right results the water supply must be large enough to give a sufficient volume to the flush. Information as to the size of supply pipes necessary under any given pressure will be furnished on request.





Plate H-1422

**"HAJOCA" VITREO SYPHON JET CLOSET**

With drain screw, "Regulo" floor plate and bolts, No. 400 natural or golden Quartered Oak seat, (no cover) and nickel-plated Flushometer with lift handle,  $1\frac{1}{4}$  inch lock key shut off valve, coupling nut and wall flange.

**DIMENSIONS**—Height of bowl, 15 inches; from wall to front of seat, 31 inches.

As described ..... \$39.75

For cover on seat, add ..... \$1.75

If without shut off valve, deduct ..... 3.50

If with "Castight" sanitary floor plate (see page 129) add 3.00

The use of flushing valves such as that shown above is specially advantageous in large buildings. They can be installed and maintained at lower cost than tank closets, and permit placing windows, etc., above the fixture and so securing better ventilation of toilet rooms. There is but little nickel-plated work exposed to be kept clean, and the closet may be flushed as often as desired.

To secure proper flushing, it is usually best to connect to a main tank supply system, and the piping must be amply large. Suggestions as to sizes to suit any given conditions will be furnished on request.

Among the large number of buildings which we have equipped with flushometers are the U. S. Mint, Philadelphia 1891, Chalfonte Hotel, Atlantic City, 11341, Arcade and Pennsylvania R. R. office buildings, Philadelphia, 13441, etc., etc.



HAINES, JONES



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Plate H-1429  
(Patented)

### "PROTECTOR" VITREO SYPHON JET CLOSET

With heavy vitreo integral floor and wall bases, wall inlet and outlet, large rear central "Hygienic" vent, extended front and "Cresso" lip; with wall outlet flange, No. 400 quartered oak "Hygienic" divided seat, no cover, with re-inforcing bar at front, concealed flushometer with wall thimble and push button, and connecting pipe from flushometer to closet. All exposed trimmings nickel-plated.

Dimensions and prices on application.

The "Protector" is admirably adapted for public installation. The "Hygienic" divided seat, together with the extended front and "Cresso" lip, provide a very long opening, with woodwork where it is needed to support the body. The parts most liable to become soiled are of porcelain, and hence easily kept clean. The earthenware back of the seat is shaped so as to prevent the user from sitting too far back.

The large "Hygienic" central vent when properly connected is large enough to carry off all odors, even in a public toilet room where the closet may be in almost constant use. This vent does not cut into the walls of the flushing rim and so interfere with the cleansing of the bowl when the closet is flushed. The inlet to the vent from the bowl is above the highest possible water line, preventing accidental flooding of the vent line, and yet the vent outlet enters the back wall below the line of the top of the closet, saving waste of space.

The heavy integral floor and wall bases, as shown, are recommended where the closet is liable to severe usage. The "Protector" closet is also furnished to stand clear of the wall, with or without vent, and to be operated by exposed Flushometer or by flushing tank. (Compare page 117).





Plate H-1448

(Patented)

### "REFILL-PURITA" VITREO SYPHON JET CLOSET

With "Purita" raised rim, refill chamber, "Regulo" floor plate and bolts, porcelain bolt caps, No. 400 "Purita" hardwood seat and cover, No. 400 hardwood "Refill" L. S. tank lined with 14 ounce tinned copper, with concealed wall hanger, "Regulo" adjustable time valve, "Hoffman" ball cock and glass ball, nickel-plated  $\frac{1}{2}$  inch supply pipe, iron pipe weight, with wheel handle stop and straight flush coupling.

**DIMENSIONS**—Height of bowl, 15 inches; height of tank,  $41\frac{1}{2}$  inches; width of tank,  $24\frac{3}{4}$  inches; from wall to front of seat, 29 inches.

As described, in natural or golden quartered oak .....\$62.00

As described, in dark cherry ..... 64.00

As described, in mahogany ..... 67.50

If with "Gastight" sanitary floor plate (see page 129) add \$3.00

The almost noiseless operation of the "Refill-Purita" closet commends it for use in private residences. This result is secured by the "refill chamber," which not only insures a full and quiet water after the flushing has ceased, but also thoroughly disposes of the air contained in the pipes at the beginning of the flush. It is this air which causes the "cough" when the ordinary style of siphon jet closet is operated.





Plate H-1449

( Patented )

**"REFILL-PURITA" VITREO SYPHON JET CLOSET**

With "Purita" raised rim, refill chamber, "Regulo" floor plate and bolts, porcelian belt caps, No. 400 "Purita" Ivoroid seat and cover, No. 400 Ivoroid "Refill" L. S. tank lined with 14 ounce tinned copper, with concealed wall hanger, "Regulo" adjustable time valve, "Hoffman" ball cock and glass ball, nickel-plated 1-2 inch supply pipe, iron pipe weight, with wheel handle stop and straight flush coupling.

**As described** ..... \$78.50

If with "Gastight" sanitary floor plate (see page 129) add \$3.00

The "Refill-Purita" marks a definite step in advance in water closet construction. Besides being almost noiseless in operation, (compare page 92) it is very strong and efficient in its flushing action. The closet is designed so that the jet begins to operate before the flushing of the rim starts, thus quickly emptying the bowl, and permitting the even and uniform flow to follow the contents into the outlet. This secures the thorough scouring of the interior and of the outlet passages.

The "Refill" chamber insures a full seal to the closet immediately after each flush, and eliminates the refill tube in the tank. The "Purita" rim described more fully on page 95, adds to the cleanliness of the closet.

The "Ivoroid" finish on the tank and seat is pure white, and is very handsome and durable. It is superior to the best varnish, in that it may be repeatedly cleaned with soap and water. It is a non-conductor, which makes its use for water closet seats very agreeable in cold weather.





Plate H-1457

(Patented)

**"QUAKER CITY PURITA" SYPHON JET CLOSET**

With "Purita" raised rim, nickel-plated drain screw, "Regulo" floor plate and bolts, porcelain bolt caps, No. 400 hardwood "Purita" seat and cover, No. 400 hardwood L. S. tank lined with 14 ounce tinned copper, with concealed wall hanger, "Regulo" adjustable time valve, compound lever ball cock and glass ball, nickel-plated  $\frac{1}{2}$  inch supply pipe, iron pipe weight, with wheel handle stop, and straight flush coupling.

Dimensions—Height of bowl, 15 inches; height of tank,  $41\frac{1}{2}$  inches; width of tank,  $24\frac{3}{4}$  inches, from wall to front of seat, 29 inches.

As described, in natural or golden quartered oak	\$52.50
As described, in dark cherry	54.50
As described, in mahogany	58.00
As described, in "Ivoroid"	69.00

If with "Gastight" sanitary floor plate (see page 129) add \$3.00

**"PLACID PURITA" SYPHON JET CLOSET.** Same as above except with "RELYO" flush valve in place of "Regulo" adjustable time valve.

Deduct from prices of "Quaker City-Purita" \$3.00

For description of the "Purita" raised rim, see the opposite page.



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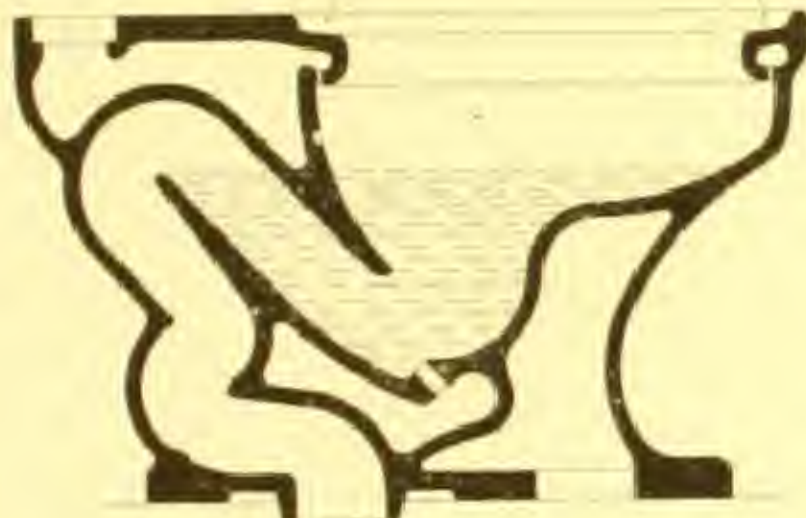
& CADBURY CO.

DESCRIPTION OF THE "PURITA" RAISED RIM CLOSETS

(Patented)

The "Purita" raised rim has been designed to prevent the soiling of the outside of the closet bowl and of the floor in front and to avoid the consequent unpleasant and unhealthful contamination of the air of the room.

Its shape is such that all moisture falling upon the rim will drain back into the bowl.



Sectional View of Closet with "Purita" Raised Rim

On this account it is specially desirable where the closet serves also as a urinal, or where it is used in place of a slop sink for emptying buckets, etc. The bowl is extra heavy, and is larger than the standard size.

In the "Refill-Purita," "Quaker City-Purita," "Placid-Purita" and "Pakhoi-Purita" closets, the soiling of the outside of the bowl is further prevented by the use of the "Purita" seat which has a depression on the under side (see the illustration on the opposite page) which just fits inside the raised rim. The seat furnished with the "Arctic-Purita" closet is flat on the underside.

The "Quaker City-Purita" and "Placid-Purita" are equipped with the highest grade of woodwork, with large tanks and heavy well made seats. The drain screw, placed in the side of the bowl, makes possible the drawing off of the water from the interior to prevent breakage from frost. On this account these closets are especially suitable for summer residences and other buildings which are closed without heat during the winter.

All of these fixtures combine to make the "Purita" raised rim closet the ideal sanitary fixture for home use.





Plate H-1458

(Patented)

**"QUAKER CITY-PURITA" VITREO SYPHON JET CLOSET**

With "Purita" raised rim, nickel-plated drainscrew, "Regulo" floor plate and bolts, porcelain bolt caps, No. 400 hardwood "Hygienic" divided seat and cover, with re-inforcing bar at front, No. 400 hardwood L. S. tank, lined with 14 ounce tinned copper, with concealed wall hanger, "Regulo" adjustable time valve, compound lever ball cock and glass ball, nickel-plated  $\frac{1}{2}$  inch supply pipe, iron pipe weight, with wheel handle stop, and straight flush coupling.

**DIMENSIONS**—Same as Plate H-1457.

As described, in natural or golden quartered oak.....\$52.50

If with "Gastight" sanitary floor plate (see page 129) add \$3.00

The "Hygienic" divided seat shown above provides the longest possible opening and at the same time gives ample and comfortable support to the user. For public or private toilet rooms, it avoids soiling of the seat, and effectually prevents the spread of disease.

The "Hygienic" divided seat is very durable. Each half of the seat is made of a single piece of hardwood, so that there are no joints to split or crack. Furthermore, it does not require the frequent cleaning necessary with the ordinary seat, thus saving labor and damage to the varnish.



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Plate H-1460

(Patented)

### "QUAKER CITY-FEMA" VITREO SYPHON JET CLOSET

With raised rim all around and "Fema" lip in front, nickel-plated drain screw, "Regulo" floor plate and bolts, porcelain ball caps, No. 40 golden quartered oak "Fema" seat, no cover, No. 40 golden quartered oak L. S. tank lined with 11 ounce tinned copper, with concealed wall hanger, "Regulo" adjustable time valve compound lever ball cock and glass ball, nickel-plated 1/2 inch supply pipe, iron pin, weight, with wheel handle stop, and straight flush coupling.

As described .....\$52.50

If with cover for seat, add.....\$1.75

If with "Gastight" sanitary floor plate (see page 129) add 3.00

**THE "PLACID-FEMA" SYPHON JET CLOSET.** Same as above, except with "RELYO" flush valve in place of "Regulo" adjustable time valve.

Deduct from price of "Quaker City-Fema".....\$3.00

The "Fema" meets the demand for a closet adapted to the requirements of public toilet rooms in hotels, railway stations, department stores, hospitals, etc. The protecting lip in front extends up to the level of the top of the seat and prevents soiling of the seat, of the outside of the closet bowl and of the floor. Being of "Vitreo" porcelain it is readily kept clean, preventing danger of contagion and affording no lodging place for vermin. The hardwood seat extends across in front of the "Fema" lip, giving additional strength, and the opening is of ample length to prevent soiling at the back.





Plate H-1465

*(Patented)***"PLACID-PURITA" VITREO SYPHON JET CLOSET**

With "Purita" raised rim, nickel-plated drain screw, "Regulo" floor plate and bolts, No. 400 natural or golden quartered oak seat, (no cover), with counterweight mechanism to operate tank valve. No. 400 natural or golden quartered oak L. S. tank lined with 14 ounce tinned copper, with concealed wall hanger, automatic flushing valve operated by seat, compound lever ball cock and glass ball, nickel-plated  $\frac{1}{2}$  inch supply pipe, iron pipe weight, with wheel handle stop and straight flush coupling.

**DIMENSIONS**—Height of bowl, 15 inches; height of tank, 42 inches; width of tank,  $24\frac{3}{4}$  inches, from wall to front of seat, 29 inches.

As described ..... \$51.50

If with "Gastight" sanitary floor plate (see page 129) add \$3.00

A thorough and positive flush of the closet each time it is used is essential in public toilet rooms if sanitary conditions are to prevail. The arrangement shown above is positive in action, and is simple, strong and durable. When the seat is vacated, it rises to the position shown and the tank is automatically flushed.

This fixture is recommended for schools, asylums, railway stations and other public toilet rooms.





Plate H-1466  
(Patented)

### "PAKHOI-PURITA" VITREO SYPHON JET CLOSET

With "Purita" raised rim, nickel-plated drain screw, "Regulo" floor plate and bolts, porcelain bolt caps, No. 400 hardwood "Purita" seat and cover, No. C-400 Vitreo L. S. tank with concealed wall hanger, flush valve with "RELYO" rubber ball, compound lever ball cock and glass ball, nickel-plated  $\frac{1}{2}$  inch supply pipe, iron pipe weight, with wheel handle stop, and straight flush coupling.

As described, with natural or golden quartered oak seat.....\$52.50  
As described, with dark Cherry seat.....53.50  
As described, with "Ivoroid" seat.....60.50

If with "Gastight" sanitary floor plate (see page 139), add \$3.00

The "Vitreo" tank shown above is not only very handsome in appearance, but is also easily kept clean. Its color harmonizes with the tiling or white enamel finish now so generally used in modern bath and toilet rooms.

It has no varnish to scale off, no woodwork to warp or split, and no metal lining to corrode. Where the water supply contains materials which attack the usual copper linings, our "Vitreo" tank is especially recommended.

The recent very rapid increase in our sales of "Vitreo" low tanks is evidence of their satisfactory service. A number of other styles of outfits so equipped will be found illustrated on later pages of this catalog.





Plate H-1467

*(Patented)***"EXTENSOR" VITREO SYPHON JET CLOSET**

With extended front and "Cresso" lip. "Regulo" floor plate and bolts. No. 400 golden quartered oak "Cresso" seat (no cover) with re-enforcing hinges. No. 325 "RELYO" golden quartered oak solid bentwood L. S. tank with concealed wall support, nickel plated  $\frac{3}{8}$  inch supply pipe, iron pipe weight, and straight flush coupling.

As described ..... \$42.00

The extended front adds to the length of the opening in the top of the closet bowl, a feature which is still further increased by the use of the "Cresso" open front seat. In places where the closet has to serve also as a urinal, the extended front is a decided advantage.

For description of the "RELYO" woodwork, see page 113.





Plate H-1469

### "AMOY" VITREO SYPHON JET CLOSET

With floor plate and bolts, No. 300 "RELYO" hardwood seat and cover, No. C-300, "Vitreo" L. S. tank with concealed wall supports, compound lever ball cock and glass ball, nickel-plated  $\frac{3}{8}$  inch supply pipe, iron pipe weight, with wheel handle stop, and straight flush coupling.

**DIMENSIONS**—Height of bowl, 15 inches; height of tank, 40 inches; width of tank,  $22\frac{1}{2}$  inches; from wall to front of seat,  $28\frac{1}{2}$  inches.

As described, with natural or golden quartered oak seat.....\$39.00

As described, with genuine dark cherry seat..... 40.00

The "Amoy" presents many desirable features for home use. The No. C-300 "Vitreo" low tank is now furnished with the operating lever conveniently placed under the tank. It is handsome in appearance and easily kept clean, and there is no varnish to scale off, or woodwork to warp and split, and no metal lining to corrode.

The seat is "saddle shaped," and specially in the dark cherry color, presents a fine contrast to the white tank.

The closet bowl is large and heavy, with quick, strong flushing action.





Plate H-1471

(Patented)

### "ARCTIC" VITREO SYPHON JET CLOSET

With floor plate and bolts, No. 300 "RELYO" hardwood seat and cover, No. 325 "RELYO" solid bentwood L. S. tank with concealed wall support, nickel-plated  $\frac{3}{8}$  inch supply pipe, iron pipe weight, and straight flush coupling.

**DIMENSIONS** Height of bowl, 15 inches; height of tank,  $37\frac{1}{2}$  inches; width of tank,  $21\frac{1}{4}$  inches; from wall to front,  $28\frac{1}{2}$  inches.

As described, in natural or golden quartered oak.....\$36.00

As described, in genuine dark cherry.....38.00

As described, in white enamel paint.....41.25

If with 14-ounce lining in tank, add.....\$1.50

Among the special features which make the "Arctic" one of our most popular outfits, we invite attention to the following:

It is a high quality fixture at a moderate price.

The closet bowl is extra heavy in design and is larger than the standard size with a larger rim.

The seat is heavy, with deeply moulded saddle-shaped hole and "RELYO" long lumbers.

The china lined lever has double action—may be pushed down or pulled up.

The solid bentwood tank does away with joints at the front corners, so that they cannot warp or draw apart.

The finish is specially selected for the beauty of its grain, and is highly polished so as to display it to the best advantage.





Plate H-1472

(Patented)

**"ARCTIC" VITREO SYPHON JET CLOSET**

With floor plate and bolts, No. 300 hardwood "Hygienic" divided seat and cover, No. 325 "RELYO" solid bentwood L. S. tank with concealed wall support, nickel-plated  $\frac{3}{8}$  inch supply pipe, iron pipe weight, and straight flush coupling.

DIMENSIONS—Same as Plate H-1471.

As described, in quartered golden oak .....\$38.25

For description of the Arctic closet bowl with No. 325 "RELYO" tank, see the opposite page.

The "Hygienic" divided seat shown above provides the longest possible opening, and at the same time gives ample and comfortable support to the user. For public or private toilet rooms, it avoids soiling of the seat, and effectually prevents the spread of disease.

The "Hygienic" divided seat is very durable. Each half of the seat is made of a single piece of hardwood, so that there are no joints to split or crack. Furthermore, it does not require the frequent cleaning necessary with the ordinary seat, thus saving labor and damage to the varnish.





Plate H-1473

(Patented)

### "ARCTIC-PURITA" VITREO SYPHON JET CLOSET

With "Purita" raised rim, nickel-plated drain screw, "Regulo" floor plate and bolts, No. 300 "RELYO" hardwood seat and cover, No. 325 "RELYO" solid bentwood L. S. tank with concealed wall support, nickel-plated  $\frac{3}{8}$  inch supply pipe, iron pipe weight, and straight flush coupling.

**DIMENSIONS**—Height of bowl, 15 inches; height of tank,  $37\frac{1}{2}$  inches; width of tank,  $21\frac{1}{4}$  inches; from wall to front,  $28\frac{1}{2}$  inches.

As described, in natural or golden quartered oak.....\$39.25

As described, in genuine dark cherry.....41.25

As described, in white enamel paint.....44.50

If with 14-ounce lining in tank, add.....\$1.50

The "Arctic-Purita" closet possesses all the points of merit of the "Arctic" closet (see page 102) to which are added the drain screw and the "Purita" raised rim.

The drain screw, placed in the side of the bowl, makes possible the drawing off of the water from the interior to prevent breakage from frost. On this account the closet is especially suitable for summer residences and other buildings which are closed without heat during the winter.

The special features of the "Purita" raised rim are described, with sectional illustration on page 95.





Plate H-1474

(Patented)

**"ARCTIC-FEMA" VITREO SYPHON JET CLOSET**

With raised rim all around and "Fema" lip in front, nickel-plated drain screw, "Regulo" floor plate and bolts, No. 300 golden quartered oak "Fema" seat, no cover, No. 325 "RELYO" golden quartered oak solid bentwood L. S. tank with concealed wall support, nickel-plated  $\frac{3}{8}$  inch supply pipe, iron pipe weight, and straight flush coupling.

**DIMENSIONS**—Height to top of rim of bowl, 15 inches; height of tank,  $37\frac{1}{2}$  inches; width of tank,  $21\frac{1}{4}$  inches; from wall to front of seat, 29 inches.

As described .....\$40.50

If with "Gastight" sanitary floor plate, add.....\$3.00

The "Fema" meets the demand for a closet adapted to the requirements of public toilet rooms in hotels, railway stations, department stores, hospitals, etc. The projecting lip in front extends up to the level of the top of the seat, and prevents soiling of the seat, of the outside of the closet bowl and of the floor. Being of "Vitreo" porcelain it is readily kept clean, preventing danger of contagion and affording no lodging place for vermin. The hardwood seat extends across in front of the "Fema" lip, giving additional strength, and the opening is of ample length to prevent soiling at the back.

For description of the "RELYO" woodwork, see page 113.





Plate H-1475

(Patented)

**"PAOLI" VITREO SYPHON JET CLOSET**

With floor screws, No. 250 "RELYO" quartered golden oak seat and cover, No. 250 "RELYO" quartered golden oak L. S. tank with concealed wall support, nickel-plated  $\frac{3}{8}$  inch supply pipe, iron pipe weight, and straight flush coupling.

**DIMENSIONS:** Height of bowl, 15 inches; height of tank,  $36\frac{1}{2}$  inches; width of tank,  $21\frac{1}{4}$  inches; from wall to front, 29 inches.

As described .....\$29.50

For brass floor plate and bolts, add.....\$0.50

If with 14-ounce lining in tank, add.....1.50

The "Paoli" closet is of the same large and heavy design as the "Arctic"; it is equipped with quartered oak woodwork, and the seat has a saddle shaped hole. The whole outfit is a thoroughly dependable one, and will give good service.

We carry the seats and tanks in both "flat" and "polished" finish; flat finish is always furnished unless otherwise ordered.

For description of the "RELYO" woodwork, see page 113.





Plate H-1476

**"PEKIN" VITREO SYPHON JET CLOSET**



Plate H-1476

With floor screws, No. 200 "RELYO" oak seat and cover, No. C-200 "Vitreo" L. S. tank, with concealed wall support, nickel-plated  $\frac{3}{8}$  inch supply pipe, iron pipe weight, and straight flush coupling.

**DIMENSIONS**—Height of bowl, 15 inches; height of tank, 40 inches; width of tank,  $22\frac{1}{2}$  inches; from wall to front of seat,  $28\frac{1}{2}$  inches.

As described .....\$33.50

For brass floor plate and bolts, add .....\$0.50

If with No. 250 quartered golden oak seat and lid in place of No. 200, add.....\$1.25

Plate H-1479

(Patented)

**"ROSEMONT" VITREO SYPHON JET CLOSET**

With floor screws, No. 200 "RELYO" oak seat and cover, No. 225 "RELYO" oak L. S. tank with concealed wall support, nickel-plated  $\frac{3}{8}$  inch supply pipe, iron pipe weight, and straight flush coupling.

**DIMENSIONS:** Same as Plate H-1475.

As described .....\$27.00

**Plate H-1480.** Outfit as above, but with No. 200 "RELYO" oak L. H. tank .....\$25.00

For brass floor plate and bolts, add .....\$0.50

If with No. 100 "RELYO" oak seat and cover in place of No. 200, deduct .....\$0.75

If with 14-ounce lining (furnished with No. 225 tank only), add .....\$1.50

For description of the "RELYO" tanks and seats, see page 113.



Plate H-1479





Plate H-1494

(Patented)

**"NORTHERN" VITREO SYPHON  
HOPPER WITH JET**

With floor screws, No. 200 "RELYO" oak seat and cover, No. 225 "RELYO" oak L. H. tank with concealed wall support, nickel-plated 3/8 inch supply pipe, iron pipe weight, and bent flush coupling.

DIMENSIONS—Same as Plate H-1499.

As described .....\$21.75

Plate H-1495—Outfit as above, but with No. 200 "RELYO" oak L. H. tank .....\$19.75

For brass floor plate and bolts, add .....\$0.50

If with No. 100 "RELYO" oak seat and cover in place of No. 200, deduct .....\$0.75

If with 14-ounce lining (furnished with No. 225 tank only), add .....\$1.50

For description of the "RELYO" tanks and seats, see page 113.



Plate H-1494

Plate H-1497

**"NANKING" VITREO SYPHON  
HOPPER WITH JET**

With floor screws, No. 200 "RELYO" oak seat and cover, No. C-200 Vitreo L. H. tank with concealed wall support, nickel-plated 3/8 inch supply pipe, iron pipe weight, and bent flush coupling.

DIMENSIONS—Height of bowl, 15 inches; height of tank, 36 inches; from wall to front of seat, 29 inches.

Outfit as described .....\$28.25

The jet in the "Northern" and "Nanking" closets increases the strength of the flush. The bowls are of large size, and the fan at the back is washed by the flushing rim (see page 112).



Plate H-1497





Plate H-1499

(Patented)

**"EASTERN" VITREO SYPHON  
HOPPER**

With floor screws, No. 250 "RELYO" quartered golden oak seat and cover, No. 250 "RELYO" quartered golden oak L. H. tank with concealed wall support, nickel-plated  $\frac{3}{4}$  inch supply pipe, iron pipe weight, and bent flush coupling.

DIMENSIONS—Height of bowl, 15 inches; height of tank,  $24\frac{1}{2}$  inches; width of tank,  $21\frac{1}{4}$  inches; from wall to front, 29 inches.

As described .....\$23.25

For brass floor plate and bolts,  
add .....\$0.50

If with 14-ounce lining in tank,  
add .....\$1.50

Plate H-1499

The "Eastern" is a thoroughly reliable outfit. The woodwork is quartered oak, well finished, and the seat has a saddle-shaped hole.

For description of the "RELYO" tanks and seats, see page 112.

Plate H-1500

(Patented)

**"EDJONG" VITREO SYPHON  
HOPPER**

With floor screws, No. 200 "RELYO" oak seat and cover, round Vitreo L. H. tank with wall screws, nickel-plated  $\frac{3}{4}$  inch supply pipe and bent flush coupling.

As described .....\$25.50

The round Vitreo tank is very strong. It occupies a minimum of space, and its shape is such that most of the water in the tank is used each time it is flushed.

For sectional illustration of the "Eastern" and "Edjong" closets, see page 112.



Plate H-1500





Plate H-1503

(Patented)

### "SOUTHERN" VITREO SYPHON HOPPER

With floor screws, No. 200 "RELYO" oak seat and cover, No. 225 "RELYO" oak L. H. tank with concealed wall support, nickel-plated  $\frac{3}{8}$  inch supply pipe, iron pipe weight, and bent flush coupling.

DIMENSIONS: Same as H-1499.

As described .....\$20.75

For brass floor plate and bolts,  
add .....\$0.50

If with No. 100 "RELYO" oak  
seat and cover in place of No.  
200, deduct .....\$0.75

If with 14-ounce lining in tank,  
add .....\$1.50



Plate H-1503

Plate H-1505

(Patented)

### "SOUTHERN" VITREO SYPHON HOPPER

With floor screws, No. 100 "RELYO" oak seat and cover, No. 200 "RELYO" oak L. H. tank with concealed wall support, nickel-plated supply pipe, and bent flush coupling.

As described .....\$18.00

For brass floor plate and bolts,  
add .....\$0.50

For No. 200 "RELYO" oak seat  
and cover in place of No. 100,  
add .....\$0.75



Plate H-1505

The "Southern" is our most popular syphon hopper closet. While the price is low, the outfit is well made and may be relied upon to give excellent service and satisfaction.

The "Southern" closet bowl is larger than the standard size, and the rim at back has the non-soiling feature described on page 112.





Plate H-1506

"SHANTUNG" VITREO SYPHON  
HOPPER

With floor screws, No. 200 "RE-  
LYO" oak seat and cover, No. C-200  
"Vitreo" L. H. tank, with concealed  
wall support, nickel-plated  $\frac{3}{8}$  inch  
supply pipe, iron pipe weight, and  
bent flush coupling.

DIMENSIONS: Same as Plate H-  
1497.

As described .....\$27.25

For brass floor plate and bolts,  
add .....\$0.50



Plate H-1506

Plate H-1508

"SHASTA" VITREO SYPHON  
HOPPER

With floor screws, No. 200 "RE-  
LYO" oak seat and cover, enameled  
iron L. H. tank, enameled inside  
and out, with concealed wall  
hanger, nickel-plated  $\frac{3}{8}$  inch supply  
pipe, iron pipe weight, and bent  
flush coupling.

DIMENSIONS: Height of bowl, 15  
inches; height of tank, 36 inches;  
width of tank,  $21\frac{1}{2}$  inches; from  
wall to front of seat, 28 inches.

As described .....\$26.75

For brass floor plate and bolts,  
add .....\$0.50

The "Vitreo" and enameled tanks shown on this page have no seams  
or joints to draw apart, no linings to corrode or leak, and no varnish to  
stain or wear off. They present a clean and beautiful white appearance.

The enameled tanks, being made of iron, are somewhat stronger than the "Vitreo" and are  
recommended when the fixture is liable to severe usage.

For sectional view of the "Shantung" and "Shasta" closet bowls, showing non-soiling fea-  
tures of the flushing rim, see page 112.



Plate H-1508





### H. J. & C. SYPHON HOPPER AND REVERSE TRAP CLOSETS.

We invite special attention to the extra size of our syphon hopper closets (both with and without jet). The top rim is larger than the usual standard, and thus permits the use of a larger and more comfortable seat. The reduced height of the bowl (15 inches) also adds much to the comfort of the user.

Each closet is equipped with a "fan" which thoroughly cleanses the



Sectional View of "H. J. & C." Syphon Hopper Closets.

rear of the bowl. The flushing rim is carried close to the top of the bowl inside at the back, which is so arranged that the "fan" itself is also cleansed each time the closet is flushed.

All the closets shown on pages 108 to 111 are arranged as described above.

The Reverse Trap closet has grown in favor on account of its attractive appearance and moderate price. It has the same large sized rim



Sectional View of "H. J. & C." Reverse Trap Closets.

as the "H. J. & C." syphon hopper closets. Reverse trap closet outfits complete will be found illustrated on page 114.

Much of the service which any water closet will give depends on the seat and tank. Our "RELYO" line (described on the opposite page) embraces a large number of important improvements, and marks a distinct advance in the construction of these parts, which are so essential to the durability and efficiency of the fixture.



HAINES, JONES



& CADBURY CO.

## DESCRIPTION OF THE "RELYO" TANKS AND SEATS

*(Patented)*

The "RELYO" tanks and seats are made of very carefully selected materials and carefully tested before shipment. They are built on the most scientific principles, and will give lasting satisfaction.

The notable features of the tanks include:

The "RELYO" Box. This is smaller than the usual size—a great advantage—of distinctive design, firmly fastened and finely finished, with proper arrangements for ventilation to prevent damage from condensation.

The "RELYO" Corrugated Lining provides minimum contact with the woodwork, and is stiff enough not to need the fastenings, which are liable to tear the lining.

The "RELYO" Flush Valve in connection with the durable "RELYO" re-inforced rubber ball, will not stick or overflow.

The "RELYO" Double Acting Lever (push down or pull up) is furnished with all tanks of the No. 325 (Bentwood) grade. The inner working lever (except on the No. 200 tank) is of brass, and will not rust.

The "RELYO" Ball Cock will operate satisfactorily and accurately on high or low pressure, while the "RELYO" flat float saves waste space and avoids the danger of coming loose and falling off.

The "RELYO" Seats are made straight grain, insuring even expansion and contraction, and so saving warpage and splitting. They are equipped with "RELYO" long bumpers, which insure a bearing on the rim of the closet bowl. This saves the varnish and so adds much to the life of the seat.

An illustrated booklet fully describing in detail the "RELYO" seats and tanks, with sectional illustrations of the various features, will be mailed on request.



Showing Construction of "RELYO"  
Ball.





Plate H-1512

(Patented)

**"RADNOR" VITREO REVERSE TRAP CLOSET WITH JET**

With floor screws. No. 250 "RELYO" quartered golden oak seat and cover. No. 250 "RELYO" quartered golden oak L. H. tank with concealed wall support, nickel-plated 3/8 inch supply pipe, iron pipe weight and bent flush coupling.

DIMENSIONS—Height of bowl, 15 inches; height of tank, 34½ inches; width of tank, 21¼ inches; from wall to front, 29 inches.

As described .....\$25.50

Plate H-1514 (Not illustrated).

"Bradford" Vitreo Reverse Trap Closet with Jet, with No. 700 "RELYO" oak seat and cover. No. 225 "RELYO" oak L. H. tank with concealed wall support, nickel-plated 3/8 inch supply pipe, iron pipe weight and bent flush coupling.

As described .....\$23.00

For brass floor plate and bolts, add .....\$0.50  
If with 14-ounce lining in tank, add .....1.50



Plate H-1512

Plate H-1515

(Patented)

**"WHITFORD" VITREO REVERSE TRAP CLOSET**

With floor screws. No. 100 "RELYO" oak seat and cover. No. 225 "RELYO" oak L. H. tank with concealed wall support, nickel-plated 3/8 inch supply pipe, iron pipe weight and bent flush coupling.

DIMENSIONS—Same as Plate H-1512.

As described .....\$21.00

Plate H-1516—Outfit as above, but with No. 200 "RELYO" oak L. H. tank .....\$19.00

For brass floor plate and bolts, add .....\$0.50

If with No. 200 "RELYO" oak seat and cover in place of No. 100, add .....\$0.75

If with 14-ounce lining (furnished with No. 225 tank only), add .....\$1.50



Plate H-1515

For sectional illustration of the above closets, and description of our "RELYO" seats and tanks, see pages 112 and 113.



HAINES, JONES



& CADBURY CO.

Plate H-1519

(Patented)

**"PENNSYLVANIA" EXTRA  
HEAVY VITREO SYPHON  
JET CLOSET**

With floor plate and extra long bolts, No. 400 "Pennsylvania" quartered oak seat, no cover, with full box hinge and crescent re-enforcing plate at front, large "Vitreo" high tank with No. 2 brass syphon flushing valve, compound lever top supply ball cock, glass ball and shut off valve, plain tank rests and 1½ inch brass flush pipe with pedestal bumper strap and push button to operate tank valve, all trimmings nickel-plated.

**DIMENSIONS:** Height of bowl, 17 inches; from wall to front of seat, 30 inches.



Plate H-1519

As described ..... \$68.50

The "Pennsylvania" closet is intended for public places where the fixture is liable to severe and careless usage. We have sold large numbers for railroad stations, for U. S. Post Office buildings, etc. The bowl is extra large and extra heavy.

The annoyance and expense caused by broken chains and lost or stolen pulls is avoided by the use of the push button flushing arrangement.



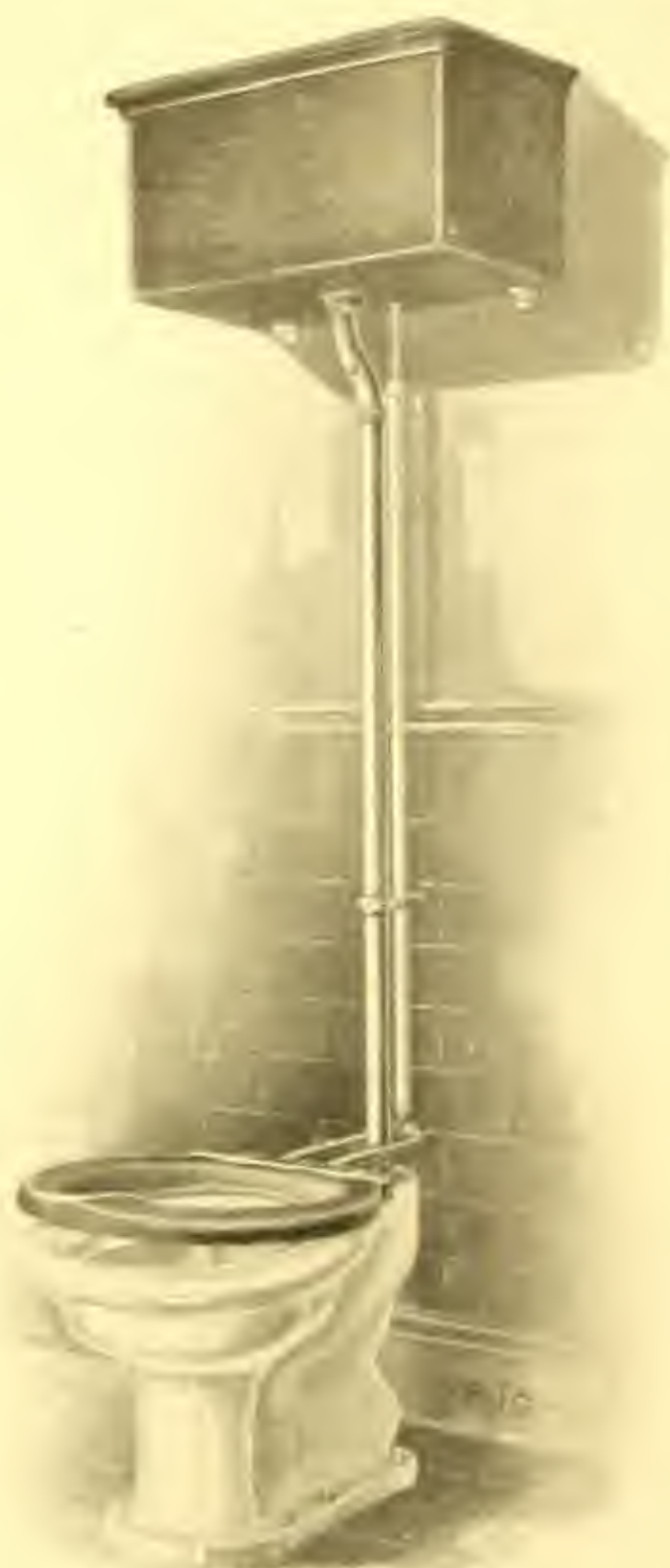


Plate H-1522

(Patented)

**"PENNSYLVANIA" EXTRA  
HEAVY VITREO SYPHON  
JET CLOSET**

With floor plate and extra long bolts, No. 400 quartered oak seat (no cover) with full box hinge and crescent re-enforcing plate at front, bronzed counterweight rod to operate tank valve, No. 400 quartered oak tank, lined with 14-ounce tinned copper, with flushing valve operated by seat, with compound lever ball cock and glass ball, plain tank rests and 1½ inch brass flush pipe with combination pedestal bumper strap, all trimmings nickel-plated.

**DIMENSIONS:** Height of bowl, 17 inches; from wall to front of seat, 30 inches.

Plate H-1522

As described ..... \$66.50

For nickel-plated casing for counterweight rod, add..... \$2.00

If with "Castlight" sanitary floor plate, add..... 3.00

The "Pennsylvania" closet is particularly adapted for installation in schools, asylums, public toilet rooms and all places where a closet is subjected to hard usage. The bowl is extra heavy and the seat action mechanism is simple yet strong, insuring automatically a thorough flushing of the bowl every time the closet is used.





Plate H-1527

(Patented)

**"PROTECTOR" VITREO SYPHON  
JET CLOSET**

With large rear central "Hygienic" vent, extended front and "Cresso" lip, "Regulo" floor plate and bolts, No. 400 quartered oak "Hygienic" divided seat (no cover) with re-enforcing bar at front, No. 400 quartered oak high tank, lined with 14-ounce tinned copper, with "Regulo" adjustable time valve, top supply compound lever ball cock and glass ball, link chain and guide and "Ivoroid" pull, plain tank rests and 1½ inch brass flush pipe with pedestal bumper strap, all trimmings nickel-plated.

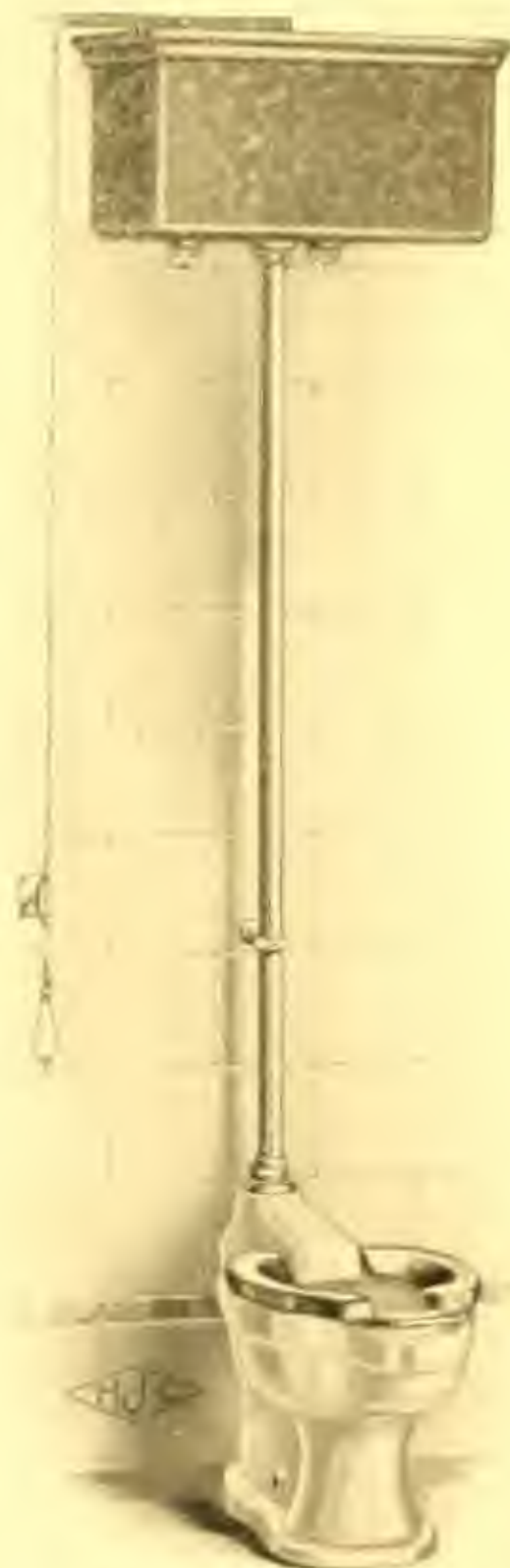


Plate H-1527

As described ..... \$71.25

The "Protector" is admirably adapted for public installation. The "Hygienic" divided seat, together with the extended front and "Cresso" lip, provide a very long opening, with woodwork where it is needed to support the body. The parts most liable to become soiled are of porcelain, and hence easily kept clean. The earthenware back of the seat is shaped so as to prevent the user from sitting too far back.

The large "Hygienic" central vent when properly connected is large enough to carry off all odors, even in a public toilet room where the closet may be in almost constant use. This vent does not cut into the walls of the flushing rim and so interfere with the cleansing of the bowl when the closet is flushed. The inlet to the vent from the bowl is above the highest possible water line, preventing accidental flooding of the vent flue, and yet the vent outlet enters the back wall below the line of the top of the closet, saving waste of space.





Plate H-1531

*(Patented)*

# "HAJOCA" VITREO SYPHON JET CLOSET

With drain screw, "Regulo" floor plate and bolts, No. 400 hardwood seat and cover, No. 400 hardwood high tank, lined with 14 ounce tinned copper, with "Regulo" adjustable time valve, top supply compound lever ball cock and glass ball, link chain and guide and "Ivoroid" pull, plain tank rests and 1½ inch brass flush pipe, with pedestal bumper strap, all trimmings nickel-plated.

DIMENSIONS.—Height of bowl, 15 inches; from wall to front of seat, 25½ inches.

Plate H-1531

As described, in natural or golden quartered oak.....\$46.75  
As described, in cherry.....49.25

If with "Gastright" sanitary floor plate (see page 129) add...\$3.00

The "Hajoca" water closet is a strictly first-class outfit for general use, no expense having been spared in making each part the best that can be produced.

The bowl is extra heavy with drain screw and large rim. The wood-work is specially selected and carefully and handsomely finished. The tank is equipped with our "Regulo" time valve which can be adjusted to give any length of flush desired.





Plate H-1546

(Patented)

# "URO" VITREO SYPHON JET CLOSET

With extended front and "Cresso" lip. "Regulo" floor plate and bolts. No. 400 golden quartered oak "Cresso" seat (no cover) with reinforcing hinge. No. 300 golden quartered oak high tank, with sensible back, top supply, and 1½ inch brass flush pipe with pedestal bumper strap, all trimmings nickel-plated.



Plate H-1546

As described .....\$38.50

Attention is called to the extended front and "Cresso" lip. These in connection with the "Cresso" seat prevent soiling of the seat, the floor and the exterior of the closet bowl.

In places where the closet has to serve also as a urinal, the extended front is a decided advantage.





Plate H-1550

### "ENDURO-CRESSO" VITREO SY- PHON JET CLOSET

With drainscrew, "Regulo" floor plate and bolts, No. 400 golden quartered oak "Cresso" seat (no cover) with re-enforcing hinge, No. 300 golden quartered oak high tank with sensible back, top supply, and 1½ inch brass flush pipe with pedestal bumper strap, all trimmings nickel-plated.

DIMENSIONS: Height to top of rim of bowl, 15 inches; from wall to front of bowl, 25½ inches

Plate H-1550

As described ..... \$38.50

The "Enduro-Cresso" meets the demand for a closet adapted to the requirements of public toilet rooms in hotels, railroad stations, department stores, hospitals, etc. The "Cresso" seat and projecting lip in front prevent soiling of the seat, of the outside of the closet bowl, and of the floor. Being of "Vitreo" porcelain it is readily kept clean, preventing danger of contagion, and affording no lodging place for vermin. The opening is of ample length to prevent soiling at the back.





Plate H-1552

**"ENDURO" VITREO SYPHON JET CLOSET**

With drain screw, floor plate and bolts, No. 300 natural or golden quartered oak seat and cover, No. 300 natural or golden quartered oak high tank with sensible back, top supply, and 1½ inch brass flush pipe with pedestal bumper strap, all trimmings nickel-plated.

**DIMENSIONS:** Height of bowl, 15 inches; from wall to front of seat 25½ inches.



Plate H-1552

As described ..... \$32.50

If with "Gastight" sanitary floor plate (see page 129), add \$3.00

The "Enduro" closet is heavy in design with large rim. The bowl is provided with a drain screw on the side, by means of which the water may be drawn off from the interior of the bowl, to prevent breakage from frost. This feature makes the "Enduro" a specially suitable closet for summer residences and other buildings which are closed without heat during the winter.





Plate H-1564

**"POPULAS" VITREO SYPHON JET  
CLOSET**

With floor screws, No. 200 oak seat and cover, No. 210-8 oak high tank, lined with 10-ounce copper, with concealed wall hanger, top supply, and 1½ inch brass flush pipe with pedestal bumper strap, all trimmings nickel-plated.

**DIMENSIONS:** Height of bowl, 15 inches; from wall to front of seat, 25½ inches.

Plate H-1564

As described .....	\$25.00
If with No. 100 oak seat and cover, and No. 210-5 oak high tank .....	\$22.75
For brass floor plate and bolts, add .....	\$0.50

The "Populas" is a dependable low priced closet which will give good service. The No. 210-8 tank has a capacity of 8 gallons, and is fitted with the "RELYO" reinforced rubber ball flush valve; the No. 210-5 tank contains 5 gallons and has syphon valve. The No. 200 seat and lid has post hinges.





Plate H-1572

"MUNICIPAL" EXTRA HEAVY  
VITREO SYPHON HOPPER  
WITH JET

With integral "Vitreo" seat, "Regulo" floor plate and bolts, No. 20 cast iron tank, enameled inside and coated outside with special non-condensing material, with No. 4 brass syphon valve and compound lever top supply ball cock, chain and pull, plain tank rests and 1¼ inch brass flush pipe with strap and bent slip joint coupling, all trimmings nickel-plated.

DIMENSIONS—Height of bowl, 16½ inches; from wall to front, 23 inches.



Plate H-1572

As described .....	\$32.75
If tank is painted one coat outside, without non-condensing finish, deduct .....	\$2.00
If with No. 300 natural or golden quartered oak high tank, top supply, deduct .....	\$4.25
If with No. 300 natural or golden quartered oak seat and lid in place of integral seat, add .....	\$3.75

The "Municipal" closet with integral "Vitreo" seat is intended for use in factories, asylums, prisons and other places where it is liable to be subjected to rough usage and where the easy and frequent cleansing of the seat is desirable. The bowl is extra heavy throughout, and the syphonic action, reinforced by the jet, insures a thorough cleansing of the interior each time the tank is operated.





Plate H-1596

# "BAYOU" VITREO SYPHON HOPPER

With floor screws, No. 200 oak seat and cover, No. 210-8 oak high tank, lined with 10-ounce copper, with concealed wall hanger, top supply, and 1¼ inch brass flush pipe with bumper strap and bent slip joint coupling, all trimmings nickel-plated.

DIMENSIONS: Height of bowl, 15 inches; from wall to front of seat, 24 inches.

Plate H-1596

As described .....	\$19.25
If with No. 100 oak seat and cover and No. 210-5 oak high tank .....	\$17.00
For brass floor plate and bolts, add .....	.50

The "Bayou" may be relied upon to give excellent service. It is well made, strong and durable, and the price is moderate.





Plate H-1610

**"PENITENTIARY" VITREO SYPHON PRISON HOPPER**

Extra heavy, with integral seat, floor plate and bolts, and 1 inch "Penitentiary" self-closing push-button flushing valve and wall thimble.

**DIMENSIONS:** Height of bowl, 15½ inches; from wall to front of bowl, 18½ inches.

As described (not including globe valve and galvanized pipe connections) .....\$19.00

When ordering, always specify thickness of wall.

The closet shown above was designed especially for the Eastern State Penitentiary in Philadelphia, where about 675 outfits have been installed. The bowl is extra heavy, with an integral seat, and is somewhat smaller in size than the regular syphon hopper—thus occupying less space in the cell. The "Penitentiary" flushing valve is slow-closing and non-hammering, the length of the flush being controlled by a regulating screw, and operating on a principle which we have used successfully for many years. The push button operates through a wall thimble, the length of which can be adapted to suit the thickness of the masonry. The connections between valve and closet may be made with brass or galvanized iron pipe, and the use of a shut-off stop on the main supply as shown is recommended.

This combination is strong, durable and efficient; there are no parts to be tampered with by the prisoner, and the water supply is readily controlled and regulated by the warden from the corridor.

Where the walls of the cell are steel, we furnish a flushing valve of similar construction to the above, but modified to suit the thinner partitions. One hundred and sixty-four flushing valves of this type were recently furnished by us for the Mobile Jail and Court House, Ala.

We are prepared to furnish various styles of closets for prison use. Prices on application.





Plate H-1615

*(Patent applied for)*

# "PUBLICO-CRESSO" VITREO SY- PHON JET CLOSET

With "Regulo" floor plate and bolts, No. 400 quartered golden oak "Cresso" seat, no cover, with heavy hinges and re-enforcing plate, "H. J. & C." automatic seat action valve on top of closet, lock-key shut off valve, galvanized pressure tank painted white enamel, and brass flush pipe with pedestal bumper strap; all trimmings either oxidized or nickel-plated.

DIMENSIONS: Height to top of rim of bowl, 15 inches; from wall to front of seat, 29 inches.

Plate H-1615

As described, (supply pipe extra) .....\$46.00

For supply pipe to floor, add .....\$1.00

If galvanized tank is not painted white enamel, deduct .... 1.00

The special advantages of the "Publico-Cresso" closet for public toilet rooms will be evident after a glance at the construction of the raised lip and open front seat, as shown in the illustration. The lip extends up to the level of the top of the seat, and prevents soiling of the seat, of the outside of the closet bowl, and of the floor. Being of "Vitreo" porcelain, it is readily kept clean, preventing danger of contagion and affording no lodging place for vermin.

The seat is attached by heavy hinges and is saddle shaped, so as to comfortably support the user.

In other particulars the "Publico-Cresso" is similar to the "Publico" described on the opposite page.

The oxidized finish shown above is dark in color, does not corrode or tarnish, and requires less care than the nickel-plated finish.

See note on page 12\* about water pressure and size of pipe supply.





Plate H-1616

(Patent applied for)

"PUBLICO" VITREO SYPHON JET CLOSET

With "Regulo" floor plate and bolts, No. 400 quartered golden oak seat, no cover, with heavy hinges and re-enforcing plate, "H. J. & C." automatic seat action valve on top of closet, lock-key shut-off valve, galvanized pressure tank painted white enamel, and brass flush pipe with pedestal bumper strap; all trimmings either oxidized or nickel-plated.

DIMENSIONS: Same as Plate H-1615.



Plate H-1616

As described (supply pipe extra) .....\$42.00

For supply pipe to floor, add.....\$1.00

If galvanized tank is not painted white enamel, deduct.... 1.00

Our "Publico," "Publico-Cresso" and "Academy" closets are well adapted to meet the severe requirements of schools, hospitals, asylums, railway stations and public toilet rooms generally. They are entirely automatic in operation, are sure to be flushed by each user, have few movable parts, no ball cocks or copper linings.

Attention is called to the location of the valve on top of the closet, where every part is easy of access for cleaning. The metal is not subject to the corrosive action of the acids or gases within the closet bowl, and there is no concealed channel or passageway between the earthenware and valve to become foul. There is no woodwork except the seat.

The pressure tank prevents waste of water, and the fixture is economical to maintain as all parts are strongly made and not liable to injury from rough usage.

See note on page 128 about water pressure and size of pipe supply.





Plate H-1618

*(Patent applied for)*

### "ACADEMY" VITREO SYPHON HOPPER

With floor plate and bolts, No. 390 oak seat, no cover, "H. J. & C." automatic seat action valve back of closet, lock-key shut off valve, galvanized pressure tank, and brass flush pipe, with bumper strap; trimmings either oxidized or nickel-plated.

Plate H-1618

As described (supply pipe extra) .....\$31.50

For supply pipe to floor, add.....\$1.00

If galvanized tank is painted white enamel, add..... 1.00

The "Academy" is similar to the "Publico" closet described on page 127, except that the bowl is of the syphon hopper type, and the valve and other fittings have been modified to suit. These changes make it possible to furnish the outfit at a very moderate price.

**Important Note.** To secure the satisfactory operation of the "Publico-Cresso," "Publico" and "Academy" closets, it is necessary that the water pressure should be not less than twenty pounds at the closet. When arranged in batteries, the main supply pipe must be large enough to give ample supply to each fixture. A schedule of the sizes of pipe required for any given installation will be furnished on receipt of particulars as to pressure and number of closets to be installed.





Plate H-1640

Plate H-1651  
(Patent applied for)

**"REGULO" CLOSET FLOOR PLATE**

With 2 bolts, 2 wood screws and "Plumbago Asbestos" gasket,

For lead pipe, each .....\$1.00  
For 4 inch iron pipe, inside thread, each.... 1.50



Plate H-1651

The importance of making a tight joint between the closet and the waste pipe is recognized by all sanitarians, and the difficulty of obtaining this result easily, effectively and at moderate cost has long been a problem to the plumber.

The "Gastight" sanitary floor plate makes a permanent and positively tight joint between the closet bowl and the waste pipe. It is simple and quickly and easily installed.

Annular projections moulded in the bottom of the closet, (see illustration) fit into corresponding depressions in the "Gastight" floor plate. Our "Gastight" compound is melted and poured into the floor plate, and before it has time to cool the closet is set in place. The compound fills all the openings between bowl and plate, adjusting itself to the shape of each individual installation, and so securing a perfectly tight joint even though the floor may be uneven or the plate set crooked.

The "Gastight" has many advantages over the older methods of making the connection. Putty will dry out, rubber will deteriorate and shrink with age, and the so-called "ground-joint" connections require absolutely accurate setting, and in case of any settling of the pipe or building they no longer remain tight. The "Gastight" joint is made with our special "Gastight" compound, which is flexible and practically everlasting, and not so rigid but that the closet can be removed at any time required.

Our "Regulo" floor plate will make a tight joint with closets having the ordinary style of base and outlet. The "Plumbago Asbestos" gasket will not dry out, deteriorate or harden, and will remain in place and not slip down and clog the closet outlet. The brass plate is constructed so as to be easily adjusted by the plumber to varying thicknesses of the outlet or to uneven floors and still secure a tight bearing of the gasket against the bowl and floor plate.





Plate H-1882

(Patented)

"PITNO" NO. 1 ENAMELED OVAL HOPPER

With flushing rim, self-raising seat, galvanized pressure tank, "Pitno" No. 1 anti-freezing supply and flush valve with valve rod and casing.

As described (soil pipe extra) ..... \$17.00



Plate H-1882

Plate H-1884

(Patented)

"PITNO" NO. 2 ENAMELED ROUND HOPPER

With fan wash, self-raising seat, "Pitno" No. 2 anti-freezing valve with valve rod and casing.

As described (soil pipe extra) ..... \$10.00



Plate H-1884

The "Pitno" closets shown above are simple and durable, are very easy and economical to install and are frost proof. The working parts are enclosed in a casing pipe from which they may be readily withdrawn from above the floor for repairs. The valve can be buried in the ground and requires no pit. There are no cup leathers or ring washers.

The pressure tank furnished with the No. 1 outfit saves waste of water and insures a good strong flush. In the No. 2 "Pitno" the water flows continuously while the seat is occupied.





882  
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No 1  
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Plate H-1887  
(Painted)

**"FROSTO" ENAMELED IRON TALL OVAL HOPPER**

With flushing rim, guide for rod, self-raising seat and weight, galvanized cast iron "Frosto" anti-freezing low tank, bent flush coupling, "Hova" hopper valve for iron pipe, and valve rest.

Hopper enameled inside only (not including supply and waste pipes or rod) .....\$18.00

This closet is positively frost-proof, is automatic in action, and the mechanism is simple and durable. The hopper valve is opened by depressing the seat, and the flow of water into the tank automatically closes the flush valve. If the tank becomes full it overflows through the hopper. When the seat is released the supply ceases, the flush valve opens and the hopper is thoroughly flushed.

The "Frosto" low tank outfit is easy to install, having merely to be set in place and the connections made with the supply and waste pipes. There is no flush pipe to be cut and fitted, as is necessary in any outfit with a high tank. The tank is made of galvanized cast iron and has a lid which prevents tampering with the fittings inside the tank. As the outfit is compact and does not take up much room, it is especially adapted for installation in places where space is limited, or where a high tank cannot be conveniently installed.

WASTE  
Plate H-1881  
of water and...  
the seat is...



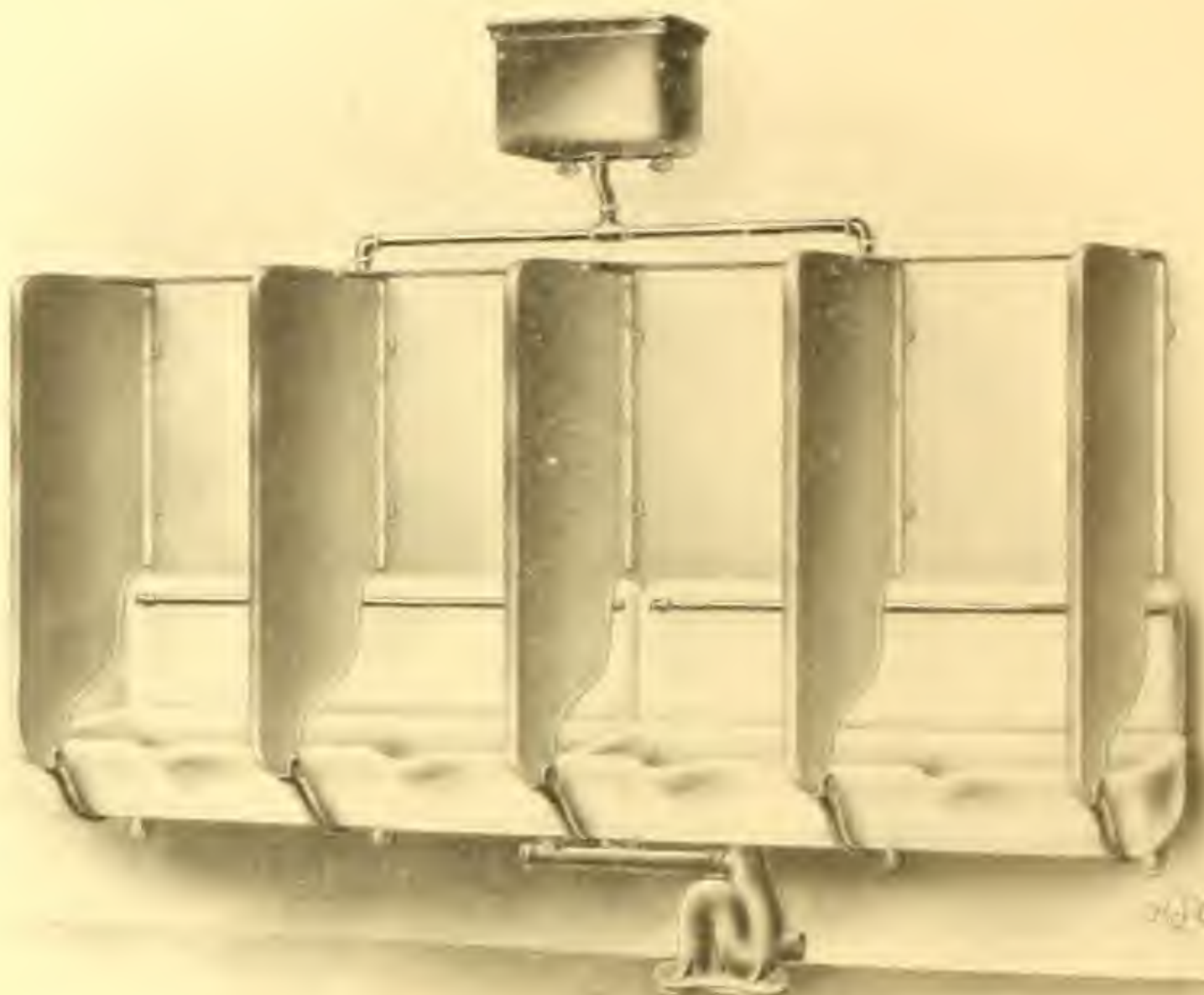


Plate H-2150

**"BELTON" REGAL PORCELAIN AUTOMATIC WASHOUT RANGE URINAL**

With lips and back, automatic copper lined oak tank and supports, nickel-plated brass flush and perforated washdown pipes, painted iron partitions and brackets, cast iron connecting pipe and trap pedestal enameled inside, with nickel-plated beehive strainer.

**DIMENSIONS:** Length, see below; width from back to front, 14 inches; depth inside, 7 inches; height of back, 15 inches; height from floor to top of urinal, 24 inches; height to top of partitions, 69 inches.

Number of stalls .....	2	3	4	5	6
Length .....	4 ft.	6 ft.	8 ft.	10 ft.	12 ft.
Sections .....	1-4 ft.	1-6 ft.	2-4 ft.	1-4 ft.	2-6 ft.
			(as shown)	1-6 ft.	
Regal White Porcelain, complete..	\$97.00	\$129.00	\$170.00	\$201.50	\$236.25
Regal Puritan Porcelain.....	91.00	120.00	158.00	186.50	218.25

The "Belton" lipped urinal is recommended for schools, factories and public toilet rooms, where its moderate cost makes it a most desirable fixture. For children's use, we can furnish urinals 21 inches from floor. Note that these urinals have no joint between the sections, a very important sanitary feature.





Plate H-2164

**"PROTECTOR" REGAL PORCELAIN STALL URINAL**

With integral porcelain shields and hood vent, brass inlet connection and spreader, and outlet strainer with coupling and H. J. & C. push button flushing valve, all nickel-plated.

Length along wall, with vent, as shown....	—	—	28 inches
Length along wall, without vent.....	18 inches	24 inches	—
From floor to top of stall.....	42 inches	43 inches	44 inches
As described, Class A.....	\$62.50	\$78.50	\$89.50
As described, Class B.....	47.75	59.00	66.50

The "Protector" urinal is made in one piece and requires no slate or marble partitions with their many joints. It is not only very attractive in appearance, but is easily kept clean. The vent furnished on the 28 inch size is a very desirable feature, helping as it does to keep the toilet room clear of odors.

The urinal may if preferred be equipped with either automatic or pull tank in place of the push button flushing valve, and can be arranged in batteries of any number desired.



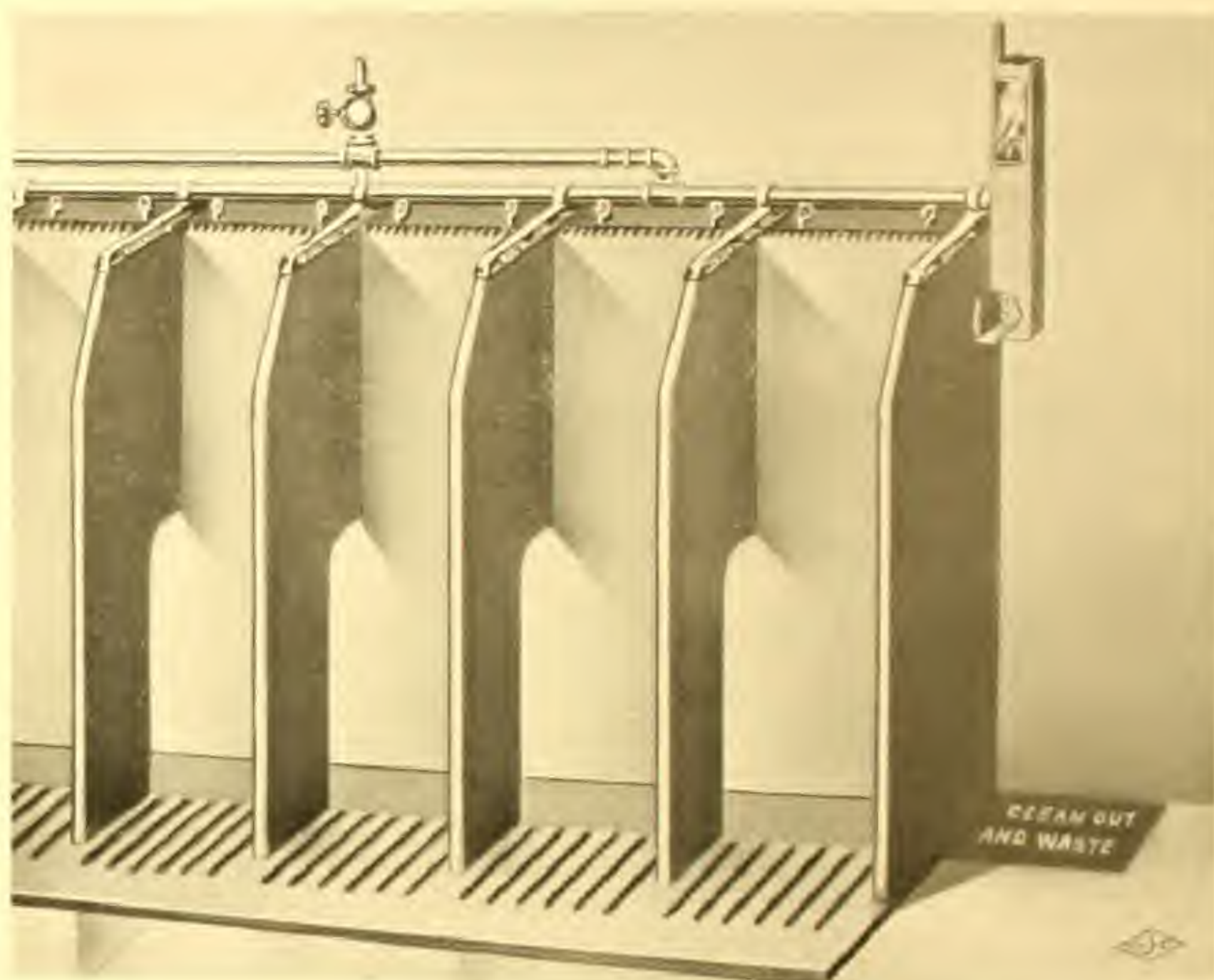


Plate H-2176

## H. J. &amp; C. SINGLE VENTILATED SLATE URINAL

With partitions, back, countersink floor slab, slate flushing cistern, solid slate waste trough extending under slate cover at end, and with 5 inch polished brass removable standing overflow and additional end overflow, nickel-plated brass partition housing caps and supply pipe holders, 1 1/2 inch galvanized iron supply pipe with brass pet cocks, brass supporting legs, iron cistern supports and bolts.

**DIMENSIONS**—Height, 60 inches; width between partitions, 21 inches; depth, end partitions, 20 5/8 inches; middle partitions, 14 inches; depth of floor slabs, 15 inches; distance from front of base to wall, 25 5/8 inches; back and partitions, 1 inch thick; floor slab 2 inches thick; waste trough, 12 inches wide inside, and 4 inches deep inside.

Number of stalls	3	4	5	6	8
Price, complete as described, in ribbon slate	\$126.00	\$165.00	\$196.00	\$231.00	\$281.00

In ordering, state whether right or left hand outlet is desired. Vent flue and main supply valve not included in above prices.

Urinals with wider stalls, or with a larger number of stalls, or with our Regal "Pariton" waste trough, can be furnished to order in single or double batteries. Prices quoted on receipt of particulars.

The flushing arrangement secures a continuous sheet of water covering the entire back of the urinal. The opening into the ventilating chamber is just above the waste trough, and extends its full length, insuring complete ventilation not only of the fixture but also of the entire room in which it is placed.





Plate H-2187

**"HAJOCA" VITREO SYPHON JET URINAL**

With back outlet, brass outlet thimble, wall screws, nickel-plated H. J. & C. push button flushing valve with coupling nut and wall flange and concealed lock key stop and wall flange.

As described .....\$26.50

If without lock key stop, deduct.....\$2.25

The "Hajoca" syphon jet urinal operates on the same principle as our syphon jet water closets. The flush is strong and thoroughly cleanses the bowl, and the outlet is large enough to carry off match sticks, cigar stumps, etc.

The H. J. & C. push button valve affords a convenient means of flushing the urinal each time it is used, and saves unnecessary waste of water.

Marble or slate stalls of any desired size and similar to those shown on Page 137, with clamps and stall legs, or with top railings, will be furnished to order. Prices on application. To prevent errors, a rough sketch, with measurements, should be submitted when ordering or inquiring for quotations. When a top railing is used, it should not be less than 6½ feet above the floor.





Plate H-2191

**"HAJOCA" VITREO SYPHON JET URINAL**

With back outlet, brass outlet thimble, wall screws, No. 4 quartered oak urinal tank, top supply with chain and pull, plain tank rests and urinal flush pipe, all trimmings nickel-plated.

As described ..... \$31.00

If with link chain and guide, add..... \$2.00

Furnished with No. 4 automatic flushing tank in place of pull tank at the same price.

For description of the "Hajoca" urinal see Page 135. The use of a pull tank is growing in favor, because it uses much less water than the automatic tank.

Marble or slate stalls of any desired size and similar to those shown on Page 137, with clamps and stall legs, or with top railings, will be furnished to order. Prices on application. To prevent errors, a rough sketch, with measurements, should be submitted when ordering or inquiring for quotations. When a top railing is used, it should not be less than 6½ feet above the floor.



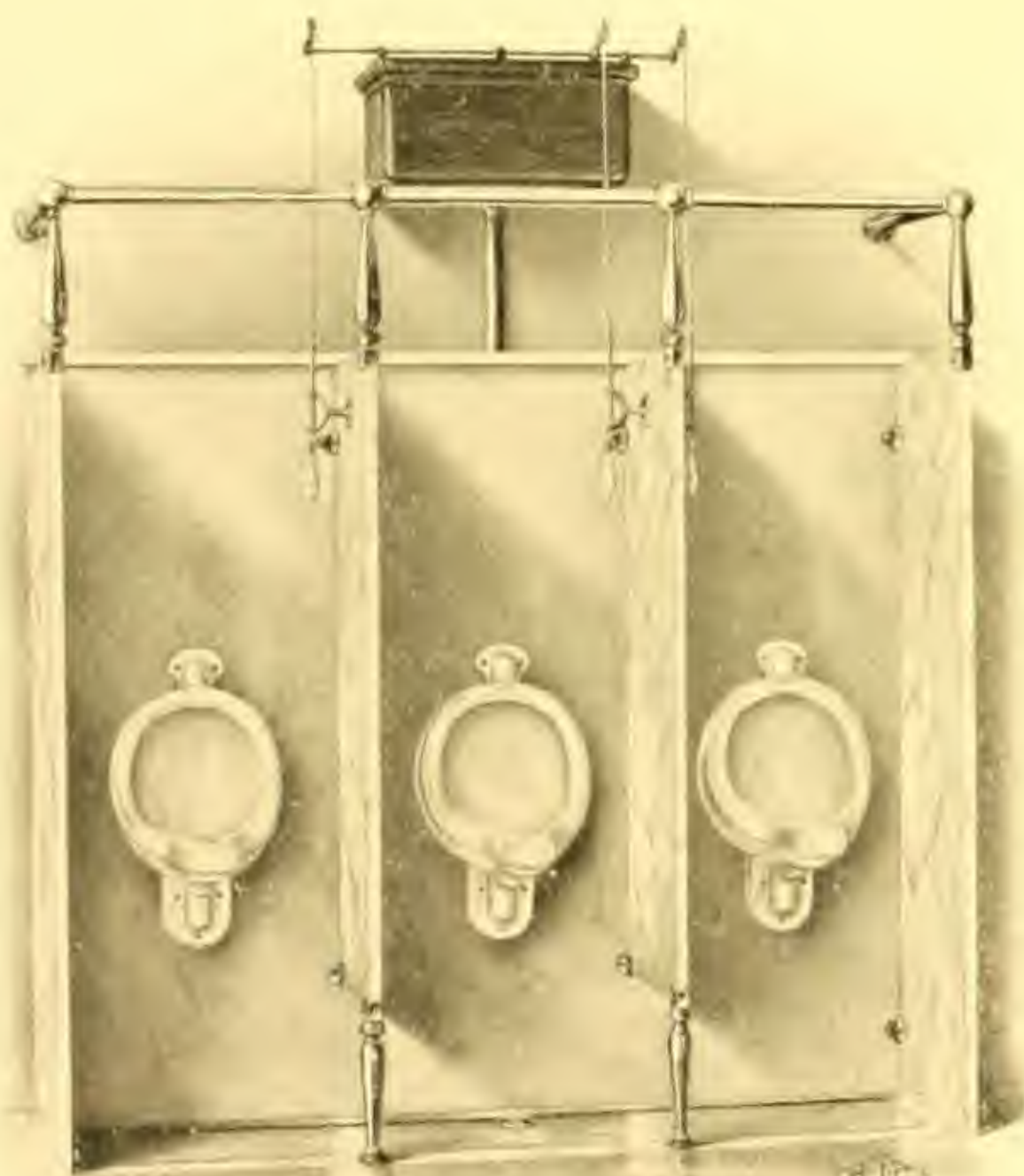


Plate H-2198

**"QUAKER CITY" VITREO URINAL**

With brass wall screws, concealed brass trap and outlet to wall, concealed brass inlet through wall, combination pull and automatic copper-lined oak round cornered tank with link chain, guide and "Ivoroid" pull, plain tank rests, and single flush pipe, 2 feet long, to cap of stall, all trimmings nickel-plated.

With Combination Pull and Automatic Tank as shown

With Automatic Tank only, no Pull Attachment

One urinal, with No. 2 tank and fittings (not including stall) . . . . .	\$32.50	\$28.50
Two urinals, with No. 4 tank and fittings (not including stall) . . . . .	52.75	44.75
Three urinals, with No. 4 tank and fittings (not including stall) . . . . .	72.00	60.00

Note—Connections from end of flush pipe to inlets of urinals are not included in above prices. Marble and slate stalls extra. See Page 136.

The "Quaker City" is a direct flush urinal, with a large water way. The supply and waste connections enter the urinal from the back, leaving no metal parts exposed within the stall, but only the highly glazed surface of the "Vitreo" porcelain of which the bowl is made, and which is easily kept clean. The tank shown in the illustration flushes automatically, insuring the cleansing of the urinal at intervals in case the users fail to pull the chain.





Plate H-2400

**"REGAL" PORCELAIN ROLL-RIM INTEGRAL BACK LAUNDRY TUBS**

With "Regal" porcelain legs and wall braces,  $\frac{5}{8}$  inch Fuller flanged tray bibbs and  $1\frac{1}{2}$  inch plugs and couplings and chains, all fittings nickel-plated. (Continuous waste pipe and trap extra).

	Class A.	Class B. "Puritan."	
Set of two tubs, as described, 26 inch size, .	\$ 93.50	\$ 68.00	\$60.50
Set of two tubs, as described, 29 inch size, .	102.50	74.50	65.00
Set of three tubs, as described, 26 inch size	140.25	102.00	90.75
Set of three tubs, as described, 29 inch size	153.00	111.75	97.50
If with iron legs painted to match tubs, deduct, per tub .....	4.50	2.25	1.50

The "Regal" porcelain laundry tubs shown above make a very desirable outfit, not only in appearance, but from a sanitary standpoint. The high back is recessed sufficiently to allow ample space for supply pipes, and as the back is moulded in one piece with the tub, there is no unsightly and unsanitary joint.

Note.—Hardwood covers cannot be fitted to these tubs.



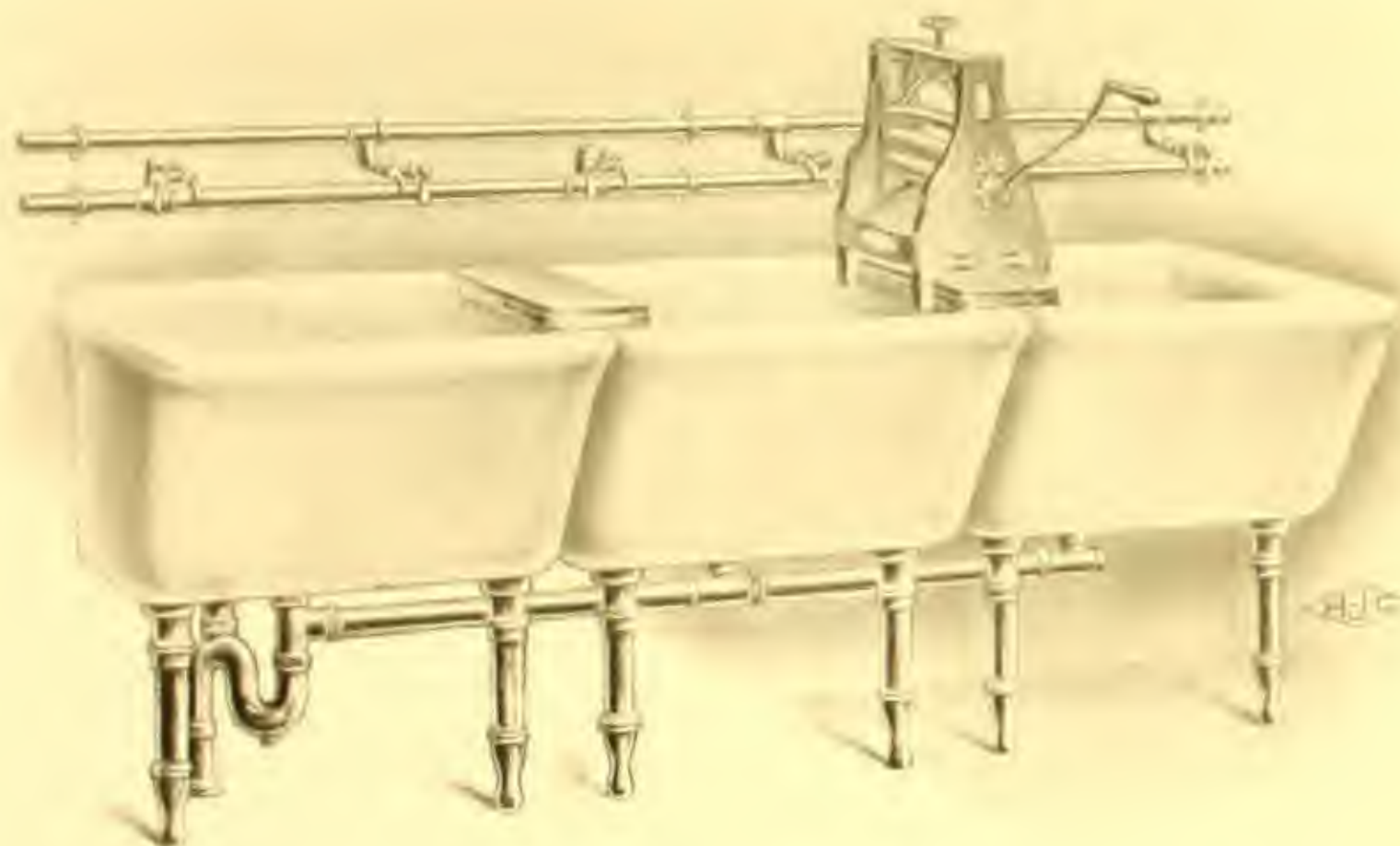


Plate H-2406

### "REGAL" PORCELAIN ALL ROLL-RIM LAUNDRY TUBS

Roll-rim all around, on iron legs painted to match tubs, with wall braces,  $\frac{5}{8}$  inch Fuller tray bibbs for iron pipe, and  $1\frac{1}{2}$  inch plugs and couplings and chains, all fittings nickel-plated (continuous waste pipe and trap, supply pipes, wringer bases and wringer extra).

	Class A.	Class B.	"Puritan."
Set of two tubs, as described, 24 inch size..	\$51.00	\$40.50	\$37.00
Set of two tubs, as described, 26 inch size..	53.00	41.50	—
Set of two tubs, as described, 29 inch size..	55.00	43.00	39.00
Set of three tubs, as described, 24 inch size	76.50	60.75	55.50
Set of three tubs, as described, 26 inch size	79.50	62.25	—
Set of three tubs, as described, 29 inch size	82.50	64.50	58.50

For ash wringer bases, add, each.....\$4.00

Hardwood covers furnished to order only. Prices on application. The bibbs can be placed inside the tubs, if preferred, at the same price.

In the manufacture of large pieces of "Regal" porcelain ware, slight flaws or discolorations appear on the surface. These do not in any way affect the strength or efficiency of the article, but where they are very conspicuous, the piece is labeled "Class E," and sold at a lower price. Our "Puritan" ware is a deep buff color.

The smooth glazed surfaces of our "Regal" laundry tubs make them very easy to keep clean.





Plate H-2431

## HAJOCASTONE LAUNDRY TUBS

DIMENSIONS:—Length, see below; from front to back, 24 inches; depth, 16 inches; all outside measurements.

Two compartments as shown with twin waste and plugs (legs, etc., extra).

Length	4 ft.	4½ ft.	5 ft.
Each	\$16.50	\$26.00	\$31.00

Three compartments, (plugs, legs, etc., extra).

Length	6 ft.	6½ ft.	7 ft.	7½ ft.	8 ft.
Each	\$26.00	\$41.50	\$45.50	\$53.25	\$79.00

For galvanized tray legs as shown, add, each, \$0.75

(Note.—A 2 part tray requires 2 legs and a 3 part tray 3 legs).

For galvanized soap cup as shown, add, each, \$0.75

For 1¼ inch tray plugs and couplings (for 3 part trays) add, each, \$0.75

For brass tray chains, add, each, 0.15

For ½ inch "Shorto" compression tray bibbs, add per pair, \$1.50

For 2 part galvanized covers as shown Plate H-2459, add, per set, \$2.00

For 3 part ditto, add per set, 3.00

For brass wringer shield, add, each, 1.25

Tubs with holes for bibbs will be sent unless otherwise ordered.





Plate H-2435

## HAJOCASTONE HIGH BACK LAUNDRY TUBS

DIMENSIONS :—Length, see below; height of back, 12 inches; from front to back, 24 inches; depth, 16 inches; all outside measurements.

Two compartments (plugs, legs, etc., extra).

Length	4 ft.	4½ ft.	5 ft.
Each	\$22.75	\$28.50	\$34.75

Three compartments as shown (plugs, legs, etc., extra).

Length	6 ft.	6½ ft.	7 ft.	7½ ft.	8 ft.
Each	\$42.75	\$49.25	\$53.00	\$63.00	\$89.50

Backs can also be furnished 14 and 16 inches high; also 6 inches high, on 2 compartments only. Prices upon application.

For prices of legs, soap cups, plugs, chains and bibbs, see Page 140. Galvanized covers cannot be used with high back tubs.

"Hajoystone" is a natural stone which has proved itself by the experience of many years to be admirably adapted for the manufacture of laundry tubs. The joints are tongued and bolted, and will not draw apart.

Backs will be drilled for bibbs unless otherwise ordered.





Plate H-2459

### CONCRETE LAUNDRY TUBS

With metallic rim, twin waste connection, plugs and overflow. (Legs, bibbs and covers not included).

Two part, 48x21 inches .....	\$ 8.00
Two part, 48x24 inches .....	8.50
Three part, 72x24 inches .....	15.25

For prices of legs, bibbs and covers, see Page 140.

Our concrete laundry tubs are made in a single piece, not bolted, and hence there are no joints to work loose. The inside corners are rounded, and the interior is smooth, making the tubs easy to keep clean.

The concrete used in their construction is non-absorbent. It is made from high grade materials, which have been found by experience to produce an artificial stone of great strength and superior quality, which is absolutely water tight.





Plate H-2466

*(Patent applied for)***"DUAL" ENAMELED LAUNDRY TUBS**

Two compartments, with integral 10 inch back and apron, painted pedestals, brass soap dishes, waste plugs and couplings and rubber stoppers,  $\frac{5}{8}$  inch Fuller flanged tray bibbs, and  $1\frac{1}{2}$  inch continuous waste and vented "S" trap at end, all trimmings nickel-plated.

**DIMENSIONS:** Length over all,  $52\frac{1}{2}$  inches; from front to back, outside, 26 inches; depth inside, 14 inches; height from floor to top of rim, 29 inches.

As described, less bibbs, waste and trap.....\$61.75

Add for bibbs, waste and trap as described.....\$14.25

The "Dual" enameled laundry tubs are cast all in one piece, and there is no joint between the two compartments, or between the tubs and backs. This arrangement not only makes the fixture easier to keep clean, but also adds much to its appearance.





Plate H-2486  
(Patent Applied for)

### "DUAL" ENAMELED SINK AND LAUNDRY TUB COMBINATION

With one sink and one tub compartment, integral 10 inch back and apron, white enamel painted iron legs, sink strainer, plug with coupling and rubber stopper, brass soap cup, cypress combined cover and drain-board, two  $\frac{5}{8}$  inch Fuller flanged tray bibbs, two  $\frac{5}{8}$  inch Fuller flanged plain bibbs, and  $1\frac{1}{2}$  inch continuous waste and vented "S" trap at end, all trimmings nickel-plated.

**DIMENSIONS:** Length over all, 50 inches; from front to back, outside, 27 inches; depth of tub, inside, 14 inches; depth of sink, inside, 7 inches.

As described, less bibbs, waste and trap.....\$55.50

Add for bibbs, waste and trap as described.....\$14.25

The special advantage of the "Dual" fixture shown above is the absence of joints in the back and between the sink and tub. The arrangement is convenient and compact, and on this account is suitable for use in apartment houses, small kitchens, etc. The sink can be furnished on either right or left hand side. When ordering, specify which is wanted.



HAINES, JONES



& CADBURY Co.



Plate H-2498

### VITREO SYPHON JET FLUSHING RIM SLOP SINK

With integral trap, floor plate and bolts. 3-1/2 inch compression double stop sink cock with pipes to floor and air chambers. No. 100 quartered oak hign tank lined with 11 ounce tinned copper, with "Regulo" adjustable time valve, top supply compound lever ball cock and glass feed, link chain and guide and white "Ivoroid" pull. plain tank rests and 1 1/2 inch brass flush pipe, all trimmings nickel plated.

**DIMENSIONS:** Height, 22 inches; from wall to front of sink, 29 inches.

21x21 inches, with fixtures as described.....\$91.75

For nickel-plated brass removable rim guard, as shown,  
add .....\$14.50

For bucket hook and brace to wall to straddle flush pipe,  
add .....\$2.00

This sink operates on the same principle as a siphon jet closet. A large body of water always remains in the bowl, and by means of the tank a thorough emptying of the contents and flushing of the interior is secured.

The nickel-plated rim guard is recommended in hospitals, hotels and other places where the sink is liable to severe usage, as it will save scratching or breaking of the rim by buckets and other utensils.





Plate H-2513

# "REGAL" PORCELAIN SLOP SINK WITH BRASS FLUSHING RIM

On "Hajoca" cast brass non-syphoning trap pedestal, with cleanout and brass strainer,  $\frac{3}{4}$  inch compression double slop sink cock, with bucket hook and wall brace, pipes to floor with air chambers and wheel handle stops, and with supply connections to flushing rim; all brass parts nickel-plated.

DIMENSIONS: Length and width, see below; depth inside, 12 inches.

	Class A.	Class B.	"Puritan."
22x18 inches, with fixtures as described.....	\$104.25	\$ 99.50	\$ 99.00
24x20 inches, with fixtures as described.....	107.75	102.00	101.00

For brass floor plate and bolts, add.....\$1.00

If with "Hajoca" iron non-syphoning trap pedestal, enameled inside and painted white outside, with brass cleanout, in place of "Hajoca" cast brass trap pedestal, deduct.....\$22.00

By means of the flushing rim the entire interior of the slop sink can be quickly and thoroughly cleaned. The "Hajoca" trap pedestal is non-syphoning, a new and valuable feature.





Plate H-2516

**"REGAL" PORCELAIN INTEGRAL BACK SLOP SINK**

On iron trap pedestal, enameled inside and painted white outside, with brass cleanout and nickel-plated strainer, and with two  $\frac{5}{8}$  inch nickel-plated flanged "Hajoca" compression bibbs.

**Dimensions:** Length and width, see below; depth, 12 inches; height of back, 12 inches; from floor to top of rim, 28 inches.

	Class A.	Class B.	"Puritan."
20x16 inches, with fixtures as described.....	\$35.25	\$28.50	\$26.50
22x18 inches, with fixtures as described.....	40.75	32.25	29.50
24x20 inches, with fixtures as described.....	46.25	36.00	32.50

For "Hajoca" iron non-syphoning trap pedestal enameled inside in place of trap pedestal as shown, add.....\$2.00

For brass floor plate and bolts, add..... 1.00

A slop sink is a great convenience in the modern house. It prevents damage to the bath tub in filling buckets, and provides a suitable receptacle for emptying them. In public buildings it is an almost indispensable part of the equipment of the janitor's room.





Plate H-2545

## ENAMELED ROLL RIM ONE PIECE SLOP SINK

On iron trap pedestal with brass cleanout and nickel-plated strainer, and two  $\frac{5}{8}$  inch H. J. & C. flanged compression bibbs, nickel-plated.

**DIMENSIONS:** Length and width, see below; depth, 12 inches; height of back, 12 inches; from floor to top of rim,  $26\frac{1}{2}$  inches.

Sizes, inches	20x16	22x18	22x20	24x20
Enameled inside only, each	\$18.50	\$20.50	\$21.50	\$22.50
Enameled in and out, each	23.50	25.50	27.00	28.00

For galvanized concealed air chambers, add per pair....\$2.00

If without bibbs, deduct per pair..... 2.50

Note that there is no joint between the sink and the back.

**Plate H-2554.**—(Not illustrated). Enameled flat rim slop sink, on iron trap pedestal as above, no back or cocks.

Sizes, inches	16x16	20x16	22x18	22x20	24x20
Enameled inside only, each	\$11.00	\$12.00	\$13.50	\$14.25	\$15.00

If iron "Hajoca" non-syphoning trap pedestal, as shown Plate H-2513, enameled inside, is furnished in place of the pedestal shown above, add .....

\$2.00

For brass floor plate and bolts, add..... 1.00





Plate H-2570



**ROLL RIM SINK MAT**

For kitchen and pantry sinks.

These mats are made of selected hardwood and finely finished. They protect the surface of the sink from damage and serve as a drainboard. The roll rim mat shown in the illustration protects also the front of

Plate H-2570

the sink and the rim, and saves breakage of dishes.

Size and Style of Sink.	For sink and Rim, as shown.	For bottom of Sink only, no extension for Rim.
24x18, Enameled, each.....	\$1.85	\$0.75
30x18 and 30x20, Enameled, each.....	2.75	1.20
30x22, "Regal," each.....	2.75	1.20
36x18 and 36x20, Enameled, each.....	3.40	1.50
36x22, Enameled, each.....	3.60	1.75
36x24, "Regal," each.....	4.00	1.75

Prices for mats for larger sinks, on application.

Plate H-2574

**ROLL RIM SINK  
GUARD**

For enameled and "Regal" porcelain kitchen, pantry and slop sinks. Made of hardwood strips, same as our sink mats.

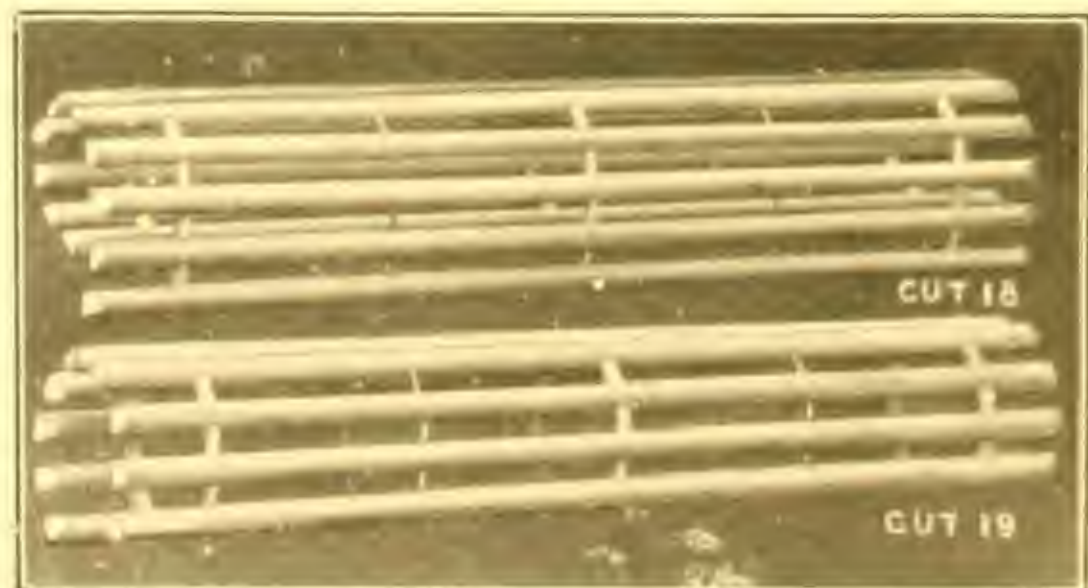


Plate H-2574

Length of sink, inches	24	30	36	42
Each	\$1.15	\$1.45	\$1.70	\$2.00

These rim guards not only prevent damage to the rim of the sink, but also save dishes. They can be used with or without a mat in the bottom of the sink. When ordering, specify size of sink, and state if for enameled (Cut 18) or porcelain sinks (Cut 19)





Plate H-2590

**"HADDON" REGAL PORCELAIN ROLL-RIM KITCHEN SINK**

With 9 inch integral back, "Regal" porcelain legs and wall braces,  $\frac{5}{8}$  inch flanged "Hajoca" compression bibbs, and brass strainer and coupling, all trimmings nickel-plated (grease trap not included).

	Class A.	Class B.	"Puritan."
30x22 inches, as described.....	\$48.25	\$35.25	\$31.25
36x24 inches, as described.....	53.75	39.00	34.50
42x24 inches, as described.....	64.50	46.75	41.00
24x22 inches, as described.....	45.75	31.75	29.75
27x26 inches, as described.....	51.75	37.75	—
30x26 inches, as described.....	57.75	42.00	—
If with iron legs painted to match sink, deduct	7.25	4.00	3.25

For No. 1 "Hajoca" grease trap, enameled inside, with connection to sink strainer, add .....\$37.00

For 30 inch ash drain board with raised edges and wall hinges and nickel-plated telescopic leg, add .....\$16.00

The absence of the unsightly and unsanitary joint between sink and back is a special feature of this outfit. The back is recessed, allowing ample space for the supply pipes.





Plate H-2604

"BELLEVUE" REGAL PORCELAIN ROLL-RIM KITCHEN SINK

With 9 inch back and drain shelf, "Regal" porcelain legs and wall braces, 5/8 inch flanged Fuller bibbs with china lever handles, stand pipe overflow and waste, and 1 1/2 "H. J. & C." brass "S" trap to floor, all trimmings nickel-plated.

	Class A.	Class B.
61x26 inches, as described .....	\$161.25	\$108.50
If with iron legs painted white enamel, deduct.....	7.25	4.00
For rubber drain board mat, add.....		\$5.00

There are no joints between sink, back and drain board, making the "Bellevue" a very desirable and sanitary fixture. The white "Regal" porcelain ware, of which it is made, is very handsome in appearance, and may be easily kept clean.





Plate H-2696

**ENAMELED ROLL RIM APRON SINK**

White enameled, with 12 inch back and 5 inch aprons, cast in one piece, with concealed wall hanger and nickel-plated strainer. (Bibbs and trap extra).

	As described.	If with right or left hand integral end piece.
30x18 inches	\$15.75	\$19.00
30x20 inches	17.50	20.75
36x22 inches	20.75	24.75
42x22 inches	22.00	26.00
For two $\frac{5}{8}$ inch flanged Fuller bibbs, as shown, add per pair		\$2.50
For $1\frac{1}{2}$ inch H. J. & C. cast brass "P" trap, add		3.00
For legs painted white, add per pair		2.00

When ordering sink with end piece, state if right or left hand end is wanted. Sink with end requires one leg only.

The enameled apron adds much to the appearance of this sink.

Plate H-2697

**ENAMELED DRAIN BOARD**

With 8 inch integral back, and concealed wall hanger, to suit above sink.

24x18 inches, each	\$6.00
24x20 inches, each	6.25
24x22 inches, each	6.50

When ordering specify if wanted right hand as shown, or left hand.



Plate H-2697





Plate H-2700

### ENAMELED ROLL RIM ONE PIECE SINK

White or gray enameled inside and painted outside, with 12 inch integral back and concealed wall hanger and nickel-plated strainer (bibbs and trap extra).

	As described.	If with right or left hand integral end piece.
24x16 inches .....	\$ 8.75	\$12.00
24x18 inches .....	9.25	12.50
30x18 inches .....	10.75	14.00
30x20 inches .....	11.50	15.25
36x18 inches .....	12.00	14.75
36x20 inches .....	12.75	16.00
36x22 inches .....	13.25	17.25
40x20 inches .....	14.00	17.25
42x22 inches .....	14.50	18.50

For two  $\frac{3}{8}$  inch H. J. & C. flanged compression bibbs, add \$2.50

For  $1\frac{1}{4}$  inch Pointer "P" trap, add..... 2.50

For legs painted white, add, per pair..... 1.50

The gray enamel presents a very attractive appearance, its color being specially appropriate for use in the kitchen.





Plate H-2717

## ENAMELED ROLL RIM APRON SINK

White enameled, with apron, 12 inch back, and 24 inch drain board, all cast in one piece, with concealed wall hanger and adjustable white enameled legs, rubber drain board mat and nickel-plated strainer, (bibbs and trap extra).

Sizes of sink, inches	30x20	34x22
Length over all, inches	52	56½
As described	\$43.00	\$51.00

For two ¾ inch flanged Fuller bibbs as shown, add per pair \$2.50

For 1½ inch H. J. & C. cast brass "P" trap, no vent, add. 3.00

If without rubber drain board mat, deduct. 1.75

If with painted instead of enameled legs, deduct. 3.00

"H. J. & C." compression bibbs can be furnished if preferred at the same price as Fuller.

The advantages of the sink shown above will be readily appreciated at a glance. The fact that the sink, back, drain board and aprons are all cast in one piece removes any joints for the lodging of dirt, and also prevents the possibility of water being splashed against the wall at the joints.

When ordering, always specify whether right-hand drain board, as shown, or left-hand, is required.





Plate H-2718

### ENAMELED ROLL RIM APRON SINK

White enameled, with apron, 12 inch back and right or left hand end, and 24 inch drain board all cast in one piece, with concealed wall hanger, and adjustable white enameled legs, rubber drain board mat, and nickel-plated strainer (bibbs and trap extra).

Sizes of sink, inches	30x20	34x22
Length over all, inches	52	56½
As described	\$53.00	\$61.00

For prices of bibbs, trap, painted legs, etc., see Page 154.

Sinks with right-hand end have left-hand drain board, as shown; can also be furnished with left-hand end and right-hand drain board. When ordering, specify which style is desired.

Sinks similar to the above can be furnished in 30x20 inch size only, with two ends, right and left-hand, for recess and with drain board on either side of sink. Prices on application.





Plate H-2725

# ENAMELED ROLL RIM APRON SINK

White enameled, with apron, 12 inch back, and two 21 inch drain boards, all cast in one piece, with concealed wall hanger and adjustable white enameled legs, two rubber drain board mats, and nickel-plated strainer (bibbs and trap extra).

Size of sink, 34x22 inches; length over all, including drain boards, 72 inches.

As described .....	\$60.00
For two 5/8 inch flanged Fuller bibbs as shown, add per pair .....	\$2.50
For 1 1/2 inch H. J. & C. cast brass "P" trap, no vent, add ..	3.00
If without rubber drain board mats, deduct, for the two ..	3.50
If with painted instead of enameled legs, deduct .....	3.00

H. J. & C. compression bibbs can be furnished if preferred, at the same price as Fuller.

The sink, back, aprons and drain boards are all cast in one piece, offering no lodging place for dirt.





Plate H-2804

## CAST IRON FLAT RIM SINKS

With strainer, coupling and bolts. Iron strainer is furnished with plain and galvanized sinks, and nickel-plated brass strainer with white and gray enameled sinks. Depth of sinks is 6 inches. Round front corners can be furnished only in the sizes specified

Size, inches.	White or		
	Plain.	Galvanized.	Gray enameled.
16x12 .....	\$1.10	\$2.30	\$2.25
18x12 .....	1.25	2.60	2.40
20x14 .....	1.50	3.20	3.00
20x16 .....	1.60	3.50	3.15
24x14 .....	1.70	3.75	3.15
24x16 .....	1.80	4.00	3.25
24x16, Round Corners .....	1.80	4.00	3.50
24x18 .....	2.10	4.30	3.50
24x20 .....	2.40	5.00	3.75
28x17 .....	2.20	4.50	3.75
30x18 .....	2.50	5.10	4.25
30x18, Round Corners .....	2.50	5.10	4.50
30x20 .....	3.00	6.25	4.50
30x20, Round Corners .....	3.00	6.25	4.75
36x18 .....	3.00	6.50	4.75
36x18, Round Corners .....	3.00	6.50	5.00
36x20 .....	3.70	7.75	5.25
42x22 .....	4.25	9.00	6.25
48x22 .....	5.75	12.25	—

A large number of special sizes ranging from 12x12 inches to 120x24 inches, can also be furnished to order. Prices on application.





Plate H-2918

## SQUARE PANTRY SINK

Cased in plain wood, with connected overflow; measurements are inside size of sink.

Sizes, inches	16x14	18x12	20x12	20x14	24x14	24x16	30x16	30x18
Tinned copper, each...	\$ 6.00	\$ 6.00	\$ 6.25	\$ 7.00	\$ 8.00	\$ 9.00	\$10.50	\$11.50
German Silver, each...	18.00	16.50	18.50	20.25	22.25	24.00	26.50	30.00
Oval tinned copper,								
not shown, each....	5.25	5.25	5.75	6.50	7.75	8.75	10.50	11.25

The oval pantry sink has a short overflow not connected, and is not furnished with wood casing.

For spud for trap on square sinks, add.....\$0.50

These sinks are intended for use with wood, slate or marble drain boards. Special sizes and shapes can be made to order on short notice.

We particularly recommend the German Silver sinks; this metal being tough and durable, will give longer service than the copper, and has no tinned surface which will wear off in time.





Plate H-2925

### GERMAN SILVER PANTRY SINK

Square, cased, with connected overflow, with German silver corrugated double drain board, German silver back and hardwood apron; with two iron brackets, two "Hajoca" pantry cocks with No. 4-C china index handles,  $\frac{1}{2}$  inch supply pipes, iron pipe weight, to floor, and  $1\frac{1}{2}$  inch "Hajoca" trap to floor, all trimmings nickel-plated.

**DIMENSIONS:** Size of sink, 24x16 inches; width of drain board, 24 inches; height of back, 12 inches.

	54	60	66	72	84	96
Length over all, inches.....	54	60	66	72	84	96
Price as described, German Silver .....	\$79.00	\$85.00	\$91.00	\$97.00	\$109.00	\$121.00
Price as described, with sink, drain board and back made of 14 ounce tinned copper .....	70.00	75.00	80.00	85.00	95.00	105.00

The sink may be placed in the center, as shown, or at either end as preferred. We can also furnish with two sinks, or with sinks larger or smaller than 24x16 inches to order. Prices on application.

The outfit illustrated above is an ideal one for the pantry. The German silver being much less rigid than marble, slate or wood, saves breakage of fine glass and china. Being of uniform color throughout, it may be continuously scoured without tarnishing, discoloring or losing its bright polish.

The copper pantry sink and drain board presents the same advantages as the German silver except that the material is not so tough and hence not so durable. Care must be taken also to see that no sand soap or other gritty substances are used, as they will in time remove the finish surface of the copper.





Plate H-2980

### "HAJOCA" FLUSHING RIM FLOOR DRAIN

With galvanized iron trap for 3 inch iron pipe, jet, polished brass top and perforated hinged strainer. Diameter 11 inches, each...\$19.50

For nickel-plated top, add...\$0.75

The "Hajoca" flushing rim floor drain is suitable for use in dairies, abattoirs, hospitals and other places where it is necessary to thoroughly clean the floors. By means of the jet, the trap may be kept entirely clear of sediment. Both jet and flushing rim are operated by means of a  $\frac{3}{4}$  inch supply pipe, the flow being controlled by an ordinary stop.



Plate H-2980

flushing rim are operated by means of a  $\frac{3}{4}$  inch supply pipe, the flow being controlled by an ordinary stop.

Plate H-2982

### FLOOR DRAIN WITH DEEP SEAL TRAP

Body and trap galvanized, with polished brass top and perforated hinged strainer.

Diameter, inches	9	11
Outlet for iron pipe, inches	2	3
Each	\$8.00	\$12.00
Same with additional solid cover (as on Plate H-2986)	9.00	13.50
For nickel-plated top, add	.75	.75

These traps have a very deep seal, which is made without any concealed partition. In case of damage to the top, the cover and catch basin can be removed and replaced without disturbing the concrete in which such traps are usually set.



Plate H-2982



Plate H-2980

"MAJOCA" FLUSHING RIM  
FLOOR DRAIN

Galvanized iron trap for 3  
pipe, jet, polished brass  
perforated hinged strainer,  
11 inches, each...\$19.50

Nickel-plated top, add...\$0.75

"Majoca" flushing rim floor  
drain suitable for use in dairies,  
hospitals and other places  
where it is necessary to thoroughly  
flush floors. By means of the  
trap may be kept entirely  
free of sediment. Both jet and  
flush supply pipe, the flow



Plate H-2982

made without any con-  
crete cover and catch basin  
in concrete in which such



Plate H-2984

FLOOR DRAIN AND TRAP

Iron body, with polished brass  
top and perforated hinged strainer.

Diameter, inches 9 11 13

Outlet for iron

pipe, inches ... 2 3 4

Each .....\$6.00 \$9.00 \$18.50

If with brass

body, each.... 8.50 — —

For nickel-plat-

ed top, add.. .75 .75 .75

For galvanized

body, add .... .50 .75 1.50



Plate H-2984

If preferred, a strainer with cross bars in place of perforations can be  
furnished at the same price, on the 9 inch and 11 inch sizes only.

Plate H-2986

FLOOR DRAIN AND TRAP

Iron body with polished brass top,  
perforated hinged strainer and  
hinged solid cover.

Diameter, inches 9 11 13

Outlet for iron

pipe, inches ... 2 3 4

Each .....\$7.00 \$10.50 \$24.00

If with brass

body, each.... 9.50 — —

For nickel-plat-

ed top, add.. .75 .75 .75

For galvanized

body, add .... .50 .75 1.50



Plate H-2986

The above floor drains are adapted for use in concrete floors and other  
places where a strong and permanent job is desired. The cover on Plate  
H-2986 saves wear on the perforated strainer, and prevents it from becom-  
ing clogged with mud and dirt.





Plate H-3001

Plate H-3001

**"CALKO" IRON CESSPOOL**

Sizes, inches	10x10	12x12
Each	\$0.75	\$1.00

The outlet is large enough to slip over 4 inch soil pipe, to which it may be caulked.

**Plate H-3003  
BRASS CESSPOOL**

6x6 inches, tapped for 2 inch iron pipe, each .....\$3.00

The strainer is countersunk and can be removed when necessary. This cesspool is well adapted for use as a refrigerator drain.



Plate H-3003

Plate H-3009

*(Patent applied for)*

**"CLIMAX" IRON CESSPOOL**

12x12 inches, heavy, each,....\$2.00

The "Climax" has separate grate which is attached by brass screws and nuts in such a manner as to hold it firmly in position and yet make possible its easy removal. This allows easy access to the interior where the outlet is caulked to 4 inch soil pipe. In case of damage to the grate, it can be replaced by a new one without removing the body from the cement or brick work.



Plate H-3009

The above are only a few of the many styles and sizes of iron and brass cesspools which we manufacture. Full particulars and prices furnished on application.





Plate H-3001  
"MAX" IRON CESSPOOL

Size 10x16 12  
Price \$0.75  
This is large enough to fit  
in soil pipe, so when  
unlaid.



Plate H-3001

Plate H-3009  
"MAX" IRON CESSPOOL

Size 10x16 12  
Price \$0.75  
This is large enough to fit  
in soil pipe, so when  
unlaid.

Size and sites of iron and  
particulars and prices in



Plate H-3038

"CAPITOL" VENT

Diameter, 8 inches, each.....\$1.50

Plate H-3038 is extra heavy and is made to caulk from the inside over 4 inch soil pipe. It is easily set, as the soil pipe can be cut at any point after the grade level is established and the vent accurately fitted over it. The cover is attached by a brass screw, and can be removed whenever necessary.



Plate H-3042

(Patented)

"HAJOCA" VENT BOX

6x6 inches, each.....\$0.60

Attention is invited to the shields on the under side of the lid, which prevent sticks, wires, etc., from slipping down into the trap, which results in clogging the drain. Ample ventilation is always assured by the use of the "Hajoca" vent box.



Plate H-3039

(Patented)

"FROSTO" VENT

Diameter, 5½ inches, each....\$0.60

The "Frosto" vent is attached in the same manner as the "Capitol," or it may be simply placed over the vent pipe without caulking. Being of about the same diameter as the pipe, the frost will not raise it out of the ground or lift the vent pipe out of the running trap.



Plate H-3045

"HAJOCA" STOP BOX

6x6 inches, each.....\$0.50

Plates H-3042 and H-3045 have a flange at the bottom of the frame which holds them firmly in place in the pavement. The lids are attached by a brass screw and can be easily removed when necessary or replaced if broken.





Plate H-3240



Plate H-3240

### "POINTER" S TRAP

Nickel-plated with pipe to floor and flange and  $1\frac{1}{4}$  inch slip joint nut on inlet.

$1\frac{1}{4}$  inch, each .....\$2.50

$1\frac{1}{4}$  inch, with vent, each..... 3.50

"Pointer" P trap, same as above, but with pipe to wall, will be furnished at the same prices.

The body of the "Pointer" trap is heavy cast brass, and is shaped so as to give a good seal and ample water surface. The adjustable center joint allows latitude in roughing-in.

Plate H-3242

(Patent applied for)

### "POINTER" BATH TRAP

Brass with nickel-plated trap screw.

$1\frac{1}{4}$  inch, each .....\$2.00

$1\frac{1}{2}$  inch, each ..... 2.25

The outlet for cleanout on the "Pointer" trap is covered by the water seal, making impossible the return of sewer gas into the room, even if the trap screw is not screwed down tight. The inlet is adjustable, and the large globe holds a good water seal.



Plate H-3242



ated with pipe to the  
and 1 1/2 inch slip joint

each . . . . . \$3.00

with vent, each . . . . . \$4.00

"P" trap, same as above

pipe to wall will be the

the same prices

of the "Pinter" trap

brass, and is shaped

a good seal and im-

surface. The adjust-

at allows lateral



Plate H-3242



"HAJOCA" GLOBE TRAP

Nickel-plated with pipe to floor and flange and slip joint nut on inlet.

1 1/4 inch, each . . . . . \$ 4.50

1 1/2 inch, each . . . . . 5.00

2 inch, each . . . . . 10.00

Furnished with pipe to wall at the same price. When ordering, give outside diameter of coupling to which trap is to be attached.

The seal of the "Hajoca" trap cannot be broken by syphoning. This has been repeatedly proved by various independent tests conducted by Boards of Health in several cities and under conditions far more severe than are ever likely to be found in actual use. The



Plate H-3264

globe holds a large volume of water, and the trap can be easily taken apart for cleaning. The adjustable center joint makes the trap an easy one to "rough-in."

Plate H-3266

(Patent applied for)

"HAJOCA" BATH TRAP

Brass, with galvanized nipple and nickel-plated trap screw.

1 1/2 inch, with 2 inch cleanout,  
each . . . . . \$3.00

The "Hajoca" bath trap holds a large body of water and has been shown by actual tests to be non-syphoning. The cleanout is on the house side of the seal, so that there is no danger from sewer gas even if the trap screw becomes loosened.

The adjustable outlet and the ease of fitting to floor levels by lengthening the iron nipple, are features which appeal to the plumber when setting.



Plate H-3266





Plate H-3274

"BENNOR" GLOBE TRAP



Plate H-3274

Nickel-plated, with pipe to floor and flange and slip joint nut on inlet.

Sizes, inches .....	1¼	1½
Each .....	\$3.75	\$4.50
With vent, each .....	4.75	6.00

Furnished with pipe to wall at the same price. When ordering give outside diameter of coupling to which trap is to be attached.

The "Bennor" is a thoroughly sanitary trap, simple in construction and attractive in appearance. It has ample adjustment, which makes it easy to set up, and a large cleanout cap gives free access to the interior for cleaning.

Plate H-3284

"BENNOR" BATH TRAP

Brass, with nickel-plated cover.

1¼ inch, each .....	\$2.25
1½ inch, each .....	2.50

Furnished with tight or adjustable inlet. When ordering specify which is wanted.

The "Bennor" has been for many years our most popular bath trap. The adjustable inlet and the large size of the cleanout opening are features which appeal specially to the plumber.



Plate H-3284



GLOBE TRAP

pipe to floor and face  
inlet.

1 1/4 1 1/2

\$3.75 3.00

4.75 4.00

e to wall at the an

give outside diamet

p is to be attachel

thoroughly sanitary

n and attractive =

uple adjustment, 1/8"

up, and a large

to the interior for



Plate H-3284



Plate H-3354

"HAJOCA" GREASE TRAP

With 2 inch polished or nickel-plated brass inlet and outlet connections.

	No. 1.	No. 2.
Height, inches	16	18 1/2
Diameter, inches	10	18
Tappings of chilling chamber, inches	1	1 1/4
As described, painted inside, each	\$30.00	\$43.00
As described, enameled inside, each	35.00	55.00

For nickel-plated 2 inch waste pipe to connect to sink outlet, add \$2.00

The "Hajoca" grease trap is intended for use with kitchen or pantry sinks. The important feature is the chilling chamber or jacket which surrounds the body of the trap (but is entirely separate from it). The main water supply to the range boiler is conducted through this chilling chamber, so that whenever hot water is drawn at the sink a fresh supply of cold water enters the jacket. The waste water in the inner part of the trap is thus constantly cooled, congealing the grease, which floats to the top, where the cleanout plate permits its removal as frequently as is necessary; while the waste water, which has discharged its grease, escapes from near the bottom of the trap into the drain. The inner partition in the trap also assists in the separation of the grease.

Where the flow through the trap is large or where the waste pipe returns again directly through the floor, the outlet of the trap should be vented.





Plate H-3412

## "QUAKER CITY" GALVANIZED RANGE BOILER



Plate H-3412

Size				Capacity, Gallons.	Regular.	Extra Heavy or Double Riveted.	Extra Heavy and Double Riveted.
3	ft.	x	12 in....	18	\$14.50	\$17.50	\$20.50
3½	ft.	x	12 in....	21	15.50	18.50	22.00
4	ft.	x	12 in....	24	15.75	19.00	22.50
3	ft.	x	14 in....	24	19.00	22.50	26.00
4½	ft.	x	12 in....	27	18.50	21.00	25.00
3½	ft.	x	14 in....	28	20.25	24.00	27.50
5	ft.	x	12 in....	30	19.00	22.50	26.00
4	ft.	x	14 in....	32	21.00	24.50	27.50
5	ft.	x	13 in....	35	21.00	24.50	28.00
6	ft.	x	12 in....	36	24.50	29.50	34.50
4½	ft.	x	14 in....	36	21.50	25.50	29.00
5	ft.	x	14 in....	40	24.00	27.50	31.00
4	ft.	x	16 in....	42	26.00	30.00	34.00
4½	ft.	x	16 in....	47	30.00	35.00	40.00
6	ft.	x	14 in....	48	30.00	35.00	40.00
5	ft.	x	16 in....	52	31.00	36.00	41.00
4	ft.	x	18 in....	53	31.50	37.00	41.00
6	ft.	x	16 in....	63	38.00	43.00	48.00
5	ft.	x	18 in....	66	36.00	41.00	46.00
6	ft.	x	18 in....	79	44.00	51.00	56.00
5	ft.	x	20 in....	82	45.50	52.00	57.00
6	ft.	x	20 in....	98	54.00	60.00	65.00
5	ft.	x	22 in....	100	54.00	60.00	65.00
6	ft.	x	22 in....	120	63.00	70.00	75.00
5	ft.	x	24 in....	120	61.50	68.00	73.00
6	ft.	x	24 in....	144	70.00	77.00	82.00
7	ft.	x	24 in....	168	84.00	91.00	96.00
8	ft.	x	24 in....	192	95.00	102.00	107.00

"Quaker City" hand-made boilers are made of a high grade of iron, and the top and bottom heads are of malleable iron. They are not affected by the corrosive elements found in water, such as lime, iron and other ingredients, which soon deteriorate boilers made of steel. The malleable iron heads will not rust through.

Regular boilers are guaranteed for 5 years on any working pressure up to 80 pounds.

Double riveted boilers are guaranteed for 5 years on any working pressure up to 100 pounds.

Extra heavy boilers are guaranteed for 7 years on any working pressure up to 100 pounds.

Extra heavy and double riveted boilers are guaranteed for 7 years on any working pressure up to 150 pounds.

We also make to order "Quaker City" boilers with special tappings, or with galvanized iron or copper coils. When ordering, submit full particulars, with sketch.





Plate H-3430

SIZED RANGE BOILER

## "LEADER" GALVANIZED RANGE BOILER

Extra Heavy as Boiler	Double Boiler	Single Boiler
\$17.50	\$17.50	\$17.50
18.50	18.50	18.50
19.00	19.00	19.00
22.50	22.50	22.50
21.00	21.00	21.00
24.00	24.00	24.00
22.50	22.50	22.50
24.50	24.50	24.50
24.50	24.50	24.50
29.50	29.50	29.50
25.50	25.50	25.50
27.50	27.50	27.50
30.00	30.00	30.00
35.00	35.00	35.00
35.00	35.00	35.00
36.00	36.00	36.00
37.00	37.00	37.00
42.00	42.00	42.00
41.00	41.00	41.00
51.00	51.00	51.00
52.00	52.00	52.00
60.00	60.00	60.00
60.00	60.00	60.00
70.00	70.00	70.00
68.00	68.00	68.00
77.00	77.00	77.00
91.00	91.00	91.00
102.00	102.00	102.00



Plate H-3430

Size	Capacity, Gallons.	Price
3 feet x 12 inches	18	\$14.
3½ feet x 12 inches	21	15.
4 feet x 12 inches	24	15.
3 feet x 14 inches	24	19.
4½ feet x 12 inches	27	18.
3½ feet x 14 inches	28	20.
5 feet x 12 inches	30	19.
4 feet x 14 inches	32	21.
5 feet x 13 inches	35	21.
6 feet x 12 inches	36	24.
4½ feet x 14 inches	36	21.
5 feet x 14 inches	40	24.
4 feet x 16 inches	42	26.
4½ feet x 16 inches	47	30.
6 feet x 14 inches	48	30.
5 feet x 16 inches	52	31.
6 feet x 16 inches	63	38.
4 feet x 18 inches	53	31.
5 feet x 18 inches	66	38.
6 feet x 18 inches	79	44.
5 feet x 20 inches	82	45.
6 feet x 20 inches	98	61.
5 feet x 22 inches	100	63.
6 feet x 22 inches	120	74.
5 feet x 24 inches	120	72.
6 feet x 24 inches	144	103.
7 feet x 24 inches	168	120.
8 feet x 24 inches	192	132.

"Leader" boilers are made in three weights:

Regular, 200 pounds test, to suit working pressure up to 80 lbs. maximum.

Extra heavy, 250 pounds test, to suit working pressure up to 150 lbs. maximum.

Double extra heavy, 300 pounds test, to suit working pressure up to 200 lbs. maximum.

All three weights take the same list price.

The "Leader" is a good boiler of moderate price, and our continuing large sales are an indication of its popularity with the trade. All sizes to 16 inches in diameter inclusive have an electrically welded side seam without rivets, which is made by a special process, and is the same as solid plate.





A Part of Our Brass Finishing Shop

### H. J. & C. BRASS WORK

For half a century we have been making plumbers' brass work. During that time we have tried to make honest, dependable goods. That we have succeeded is proved by the very large increase in the demand for our product.

Only by splendid equipment, by selection of the best materials, by construction along lines perfected by years of experience, by careful workmanship from highest skilled operators in every department of core room, foundry and finishing rooms, it is possible to live up to the high standard set for our brass work.

We manufacture a very extensive line of ground key, compression, Fuller, self-closing and special plumbers' brass work, basin cocks, bath cocks, etc.

It is of great advantage to buy brass work direct from a manufacturer who can be relied upon to furnish dependable goods.

We have constantly on hand a large and well assorted stock of goods and are prepared to make prompt shipments.

We have a well equipped nickel-plating plant, and the quality of the work of this department of our factory is second to none.

Our goods are tested under heavy hydraulic pressure before they leave our factory, and each piece carries our full and unqualified guarantee.

The size of this catalog does not permit the illustration of the very large line of these goods which we make, but inquiries are invited and will receive our most careful attention.





Plate H-3759

(Patent applied for)

### "RELYO" COMPRESSION STOP AND WASTE

For iron pipe, with wheel handle, reversible waste and waste tube.

Style of finish.....	Rgh.	Fin.	N. P.
Style of wheel.....	Jap. Iron	Fin. Brass	N. P. Brass
1/2 inch, each.....	\$1.95	\$2.35	\$2.60
5/8 inch, for 3/4 inch iron pipe, each.....	2.40	2.90	3.15
3/4 inch, each.....	3.00	3.55	3.85
3/4 inch for 1/2 inch iron pipe, each.....	3.00	3.55	3.85
1 inch, each.....	4.75	—	—
1 1/4 inch, each.....	8.75	—	—

The "RELYO" compression stop and waste is made of a fine grade red metal and tested under heavy hydraulic pressure.

It has a raised cap and stuffing box which prevents all leakage around the stem.

The waste is not automatic but is controlled at will by the thumbscrew.

In order to rewasher a fixture on the line, it is not necessary to always drain the pipe when the water is shut off.

The flow of water through the stop can be reduced without leaking through the waste, a very desirable feature where the water pressure is high.

In order to drain the pipes, the thumbscrew need not be entirely removed but merely loosened, thereby preventing risk of its being lost or mislaid.

The waste is reversible and the stop operates easily even after remaining long untouched.





H. J. & C. Iron Foundry at Norristown, Pa.

### "H. J. & C." CAST IRON SOIL PIPE AND FITTINGS

Situated within seventeen miles of Philadelphia, at Norristown, Pennsylvania, is our soil pipe and fittings foundry, which we established in 1901, and which has since been more than doubled in size.

Before making any patterns we examined the product of other manufacturers, and also consulted our customers. With the information gathered from these two sources, and our experience in handling these goods for the past forty years, we have been able to make a line of soil pipe and fittings, which our customers tell us is the finest they have ever used.

This is possible, because we have a well-equipped modern plant, and know what kind of pig iron to use, and how to melt, pour and test it.

We invite attention to the following features:—

1. Our pipe is made of soft gray iron, which cuts easily.
2. It is of uniform thickness. These two qualities reduce to a minimum the risk of splitting when cutting, so that pieces as short as two or three inches in length can be successfully cut off. This saving in breakage and in time is a big item to the plumber.
3. It is guaranteed full weight, and has full sized opening.





4. The bells are amply deep, and the bead ends fit them. This avoids waste of lead, and prevents splitting of the hubs.

5. The castings are clean, smooth and straight.

### Every Length Tested.

The method of testing shown in the illustration is the actual hydraulic pressure averaging above 60

pounds and never falling below 50 pounds. The test is applied to every single length of soil pipe before it leaves our foundry—there are no exceptions. By this means the plumber is saved the cost of locating and replacing defective lengths of pipe in the stack or drain.

7. Our fittings are longer, heavier and better designed than any stock fittings we know of, and they fit the soil pipe.

8. We carry a large and well assorted stock both of pipe and fittings, thus offering our customers every facility for making prompt shipments. This stock is carried not only at the foundry, but also at our Philadelphia, Savannah, and San Francisco warehouses.

Send us your orders and see if you do not find out, as many others have done, that "H. J. & C." soil pipe and fittings are the best you ever used. A journeyman plumber gets big wages these days, and you cannot afford to have him lose time on defective pipe and fittings.

We make pipe in three weights, standard, medium and extra heavy, and fittings in standard and extra heavy weight. We also manufacture a line of iron cesspools, stop and vent boxes, boiler stands, sink brackets, etc., all of the most modern and approved designs.

Inquiries for price lists, quotations, etc., will receive our most careful attention.

All goods made by us have the letters "H. J. & C." cast on them.

Important Note:—When ordering, always state whether PLAIN or TAR-COATED pipe and fittings are desired.



#### FITTINGS

at Norristown, Penn.  
we established in  
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duct of other manu-  
the information gath-  
handling these goods  
line of soil pipe and  
have ever used.

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is saving in breakage

opening.





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